

FIG. 1

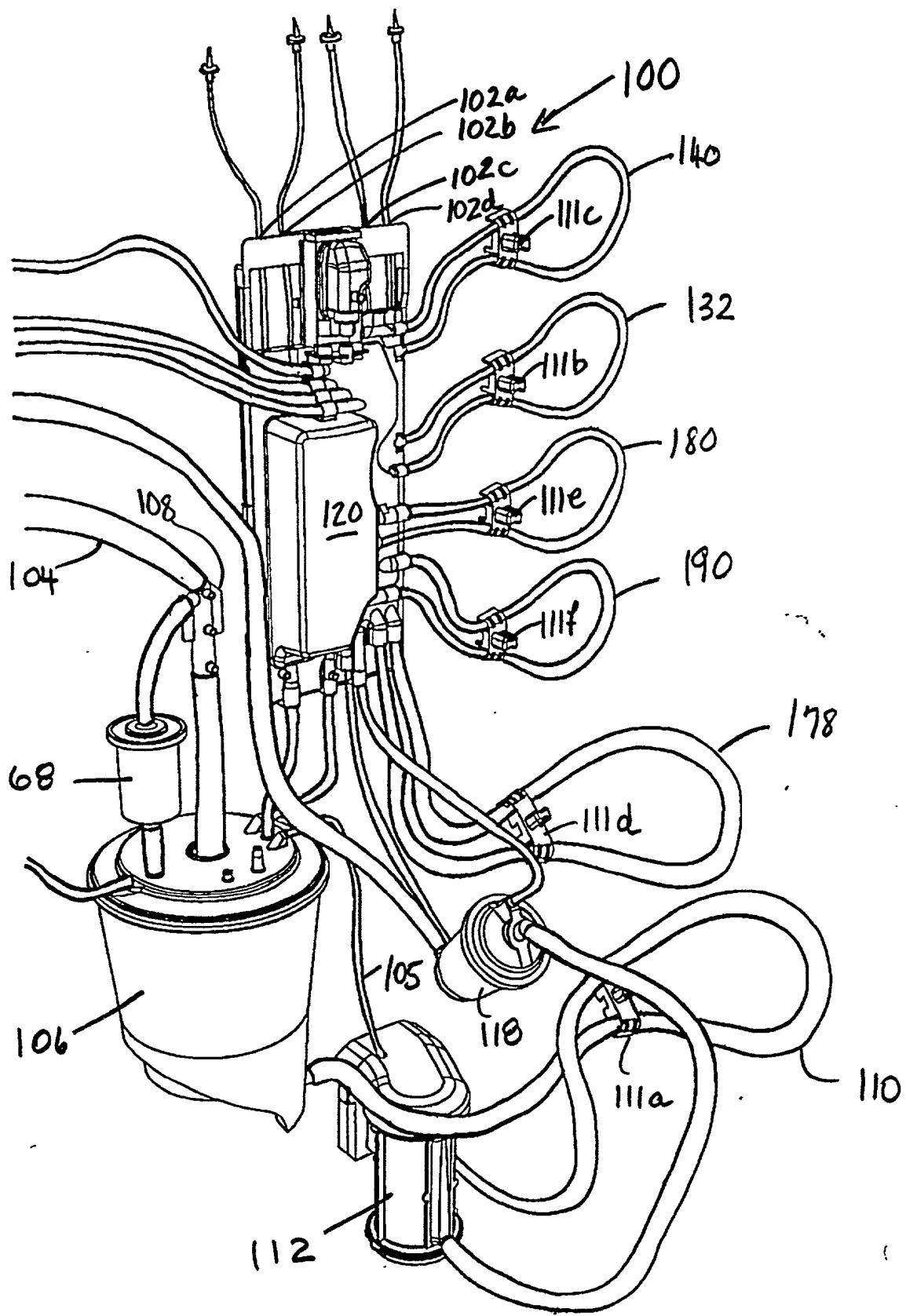


FIG. 2A

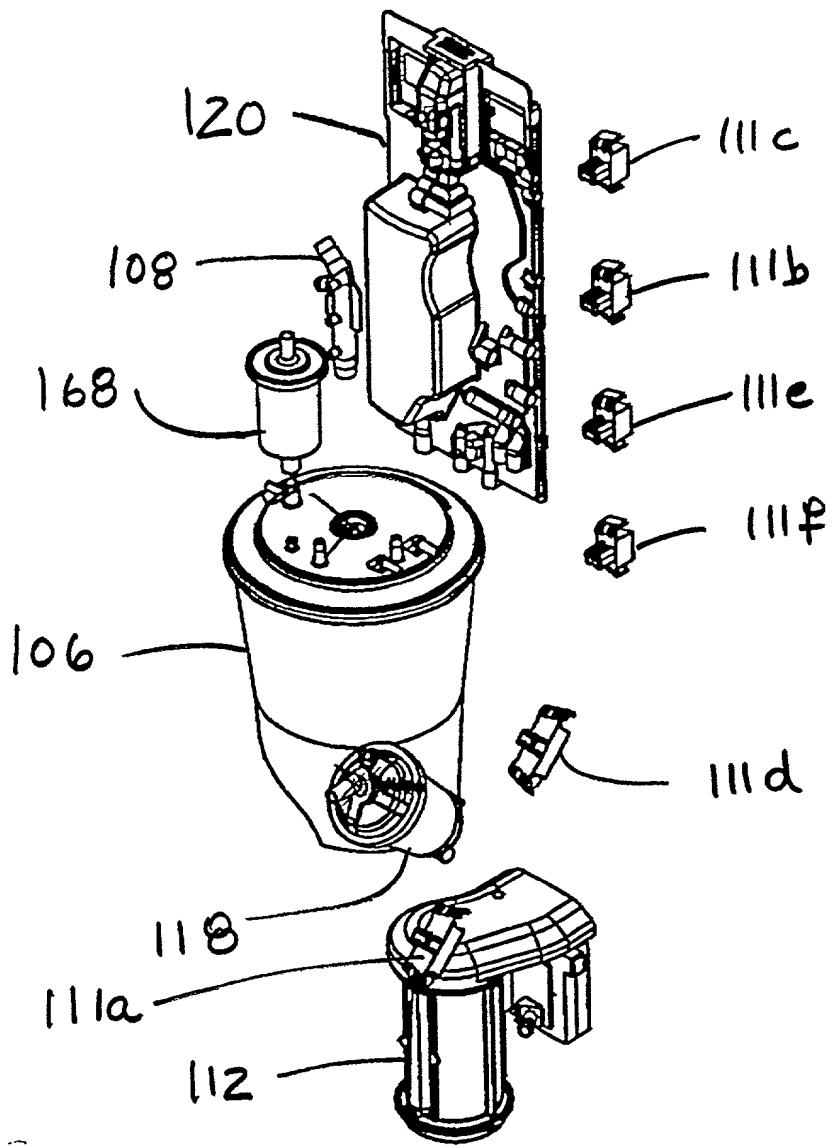


FIG. 2B

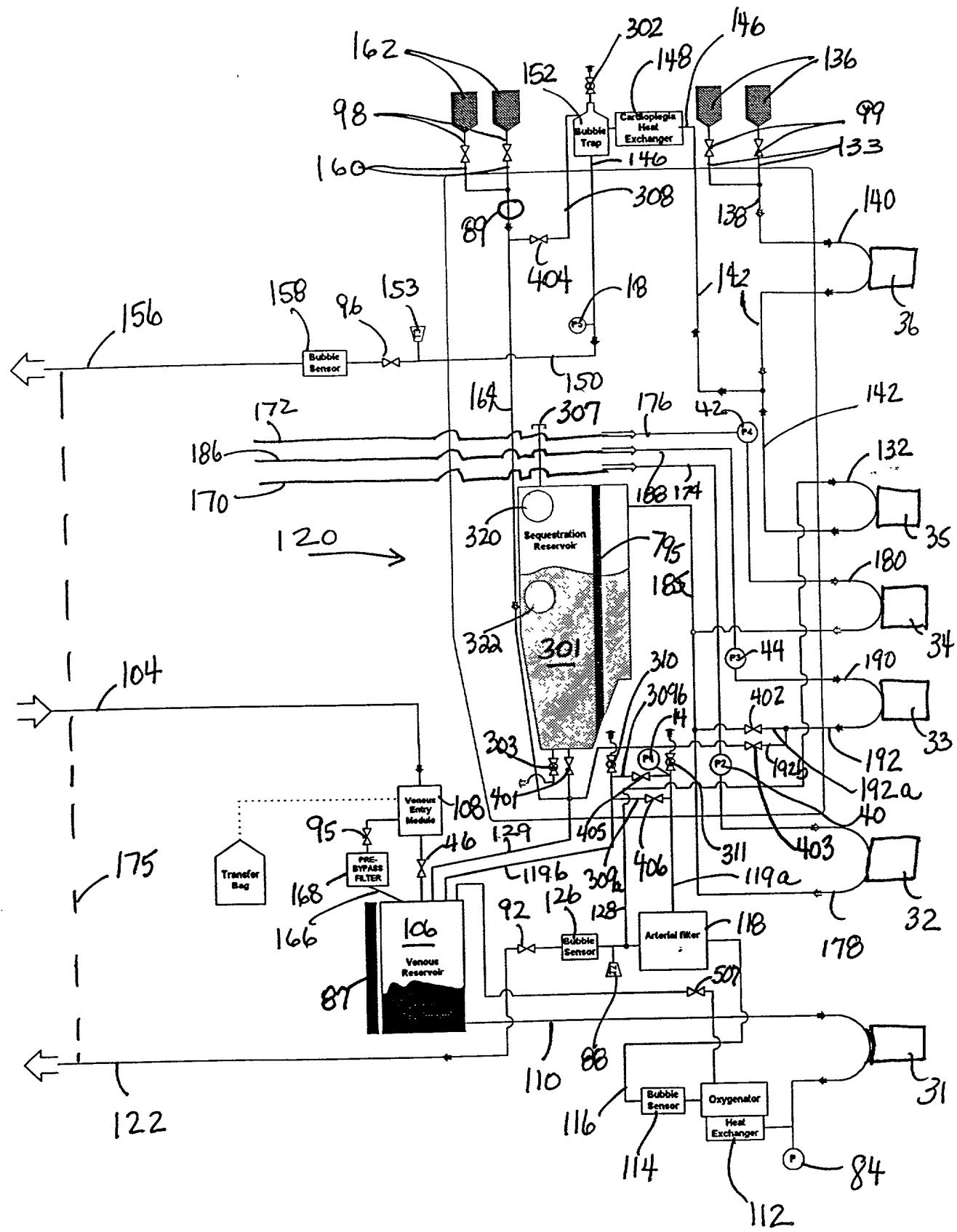


FIG. 3A

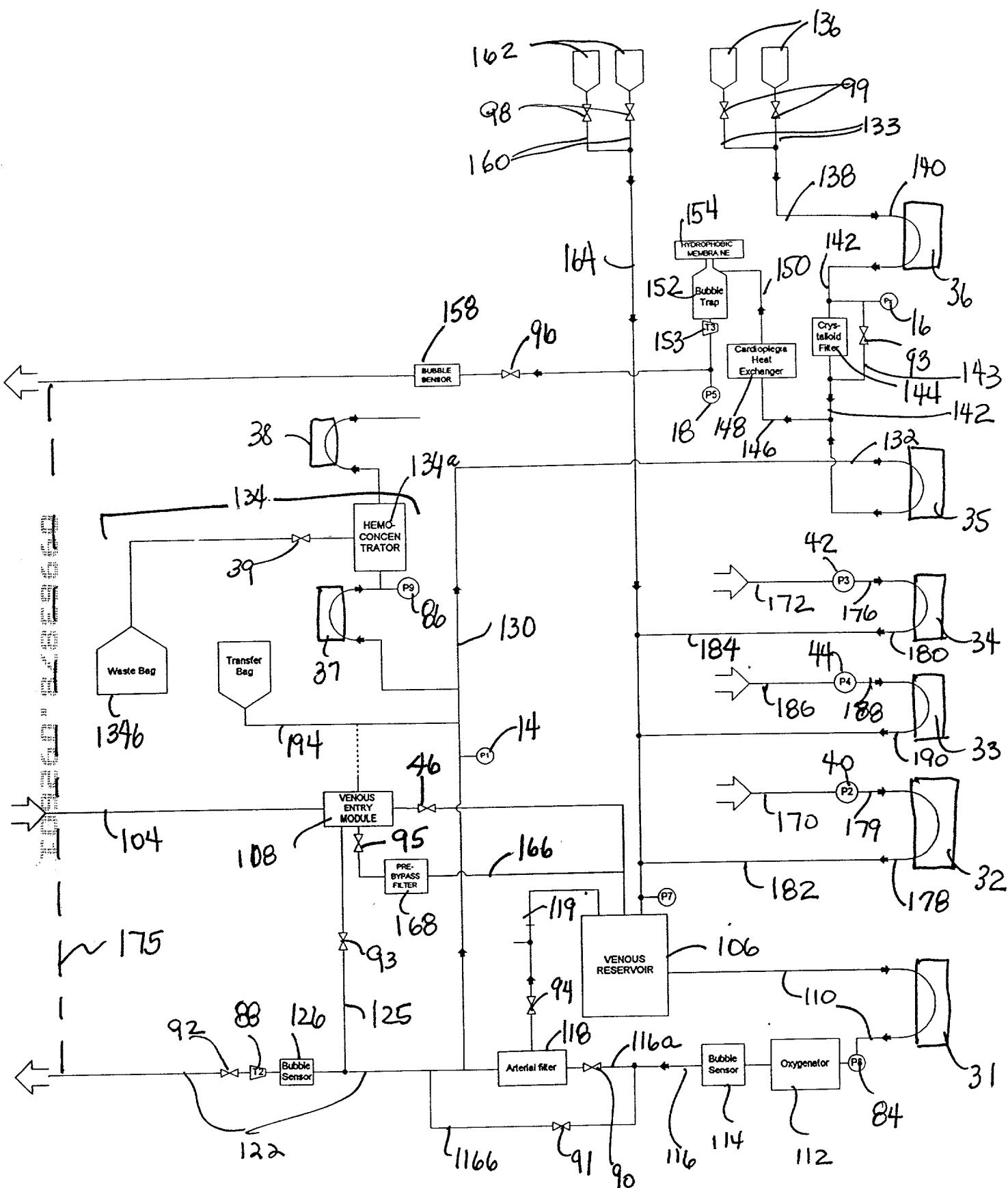
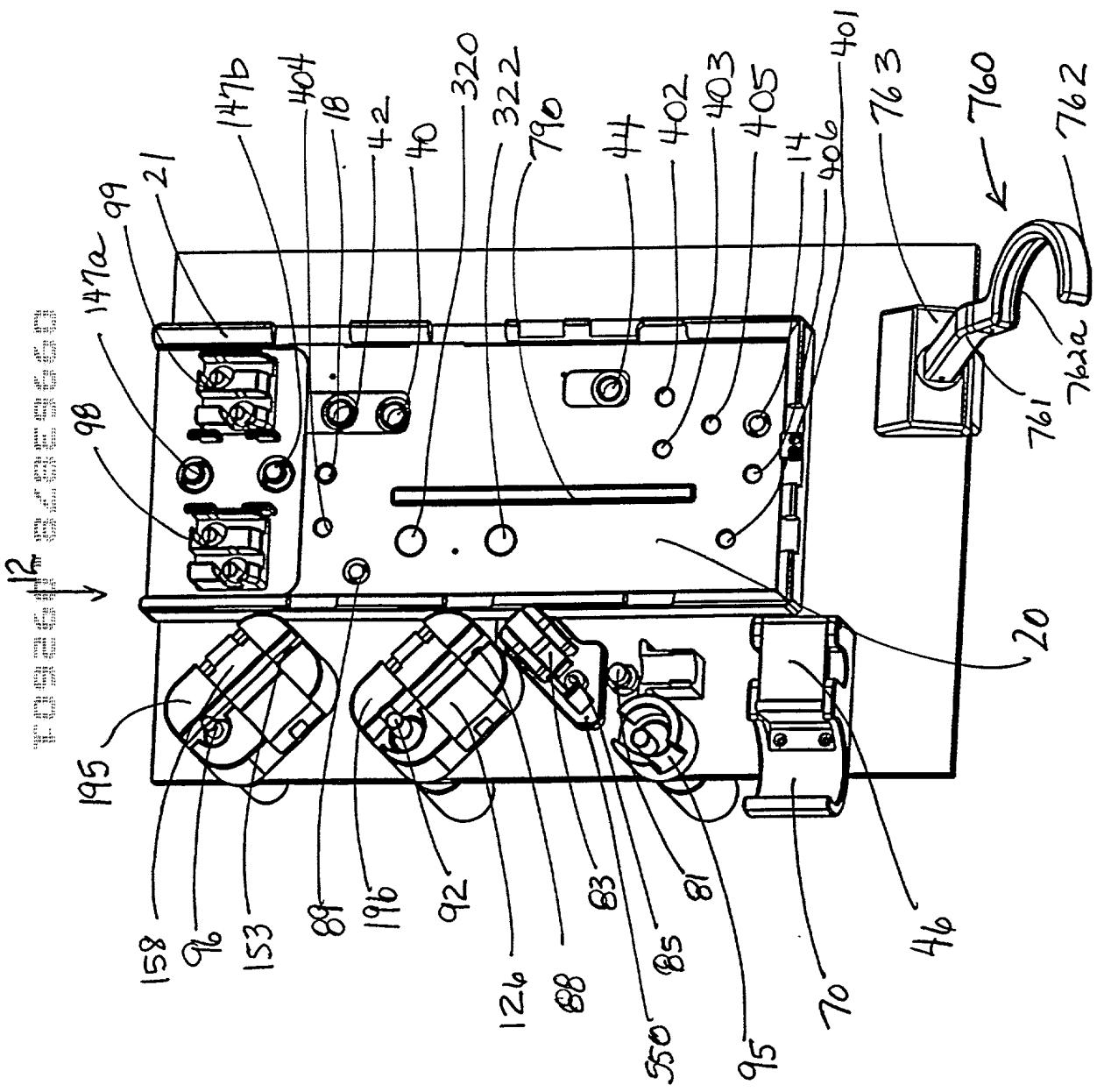


FIG. 3B



F16.4

FIG. 5B

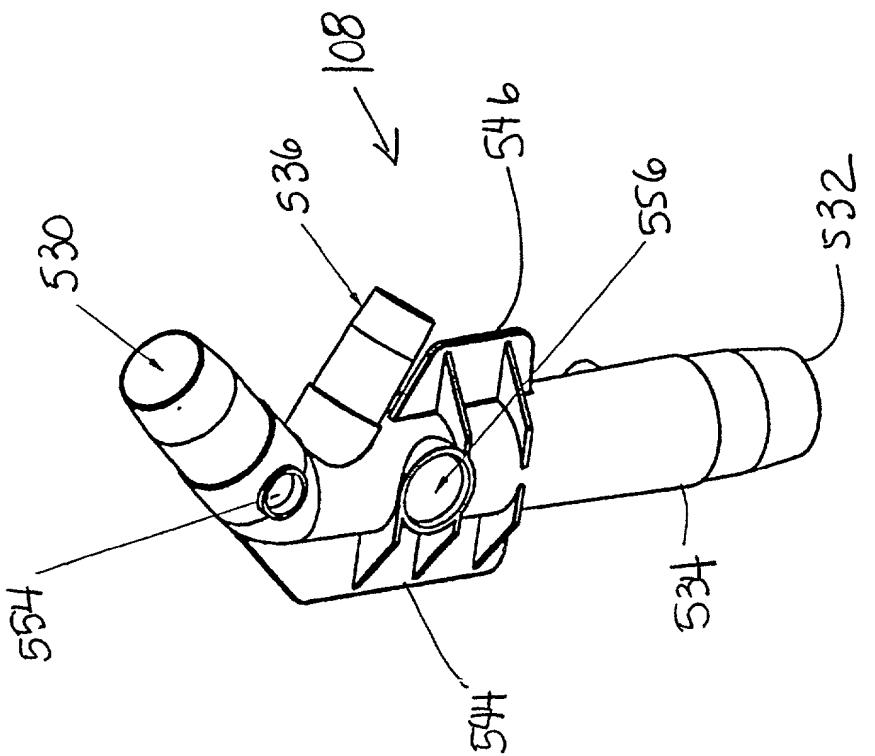
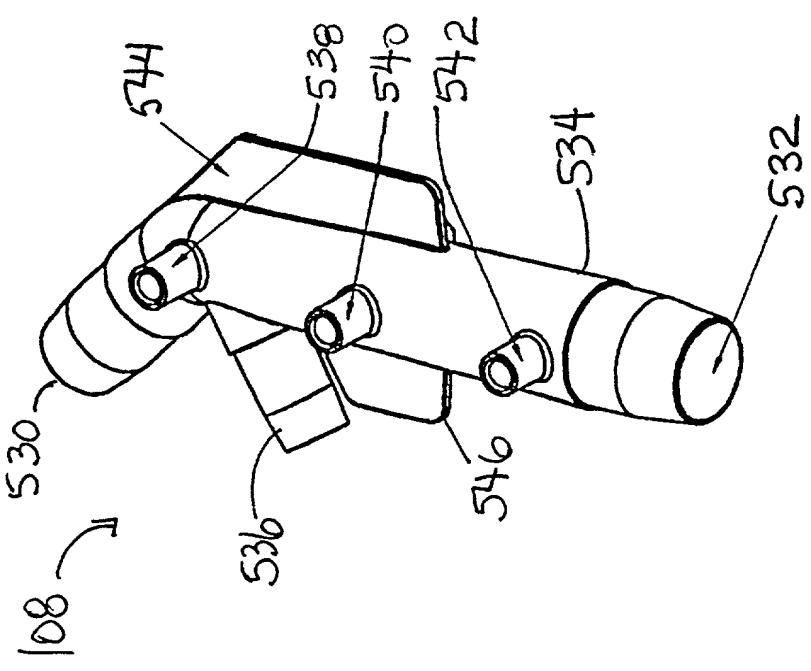


FIG. 5A



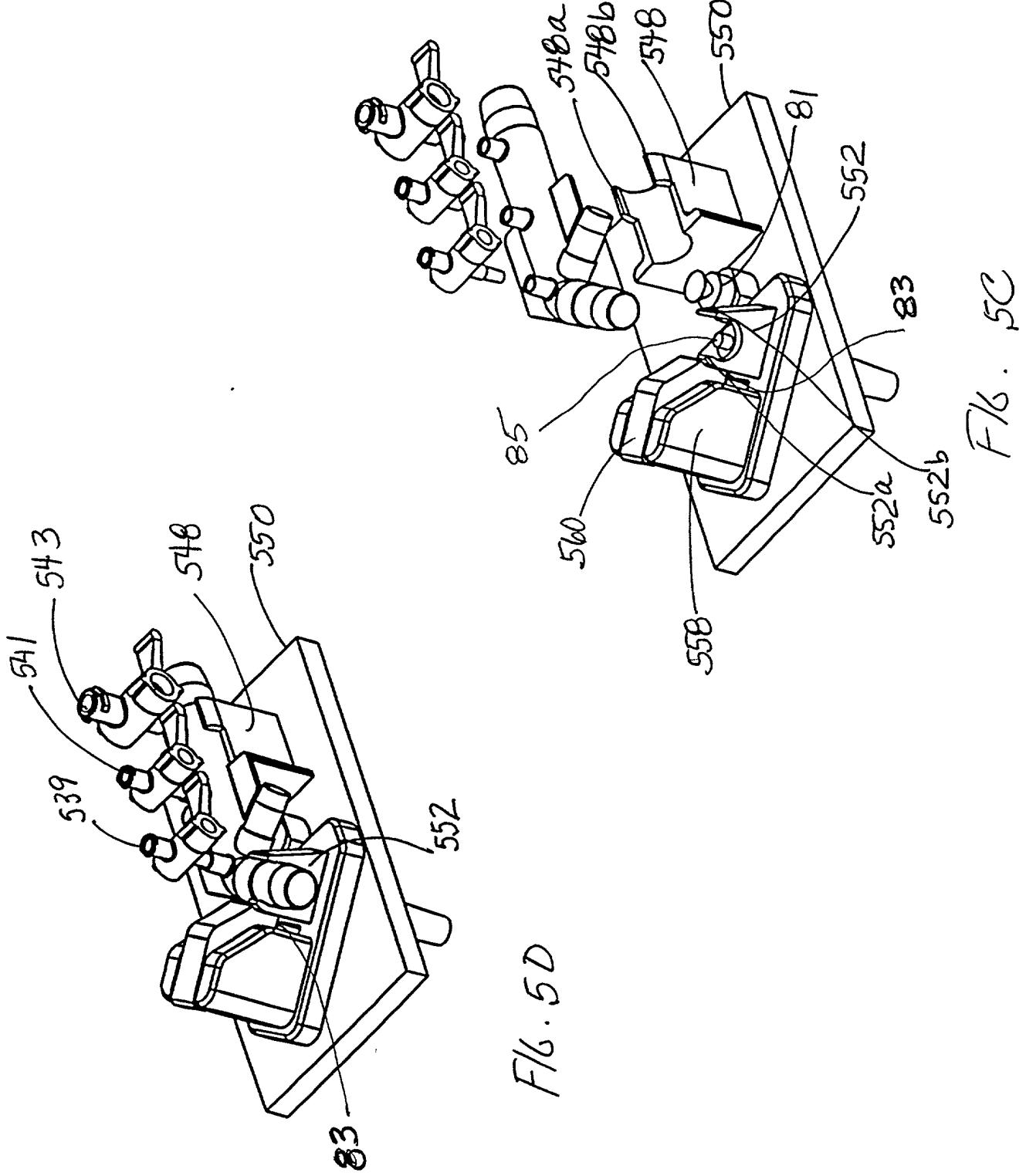


FIG. 5E

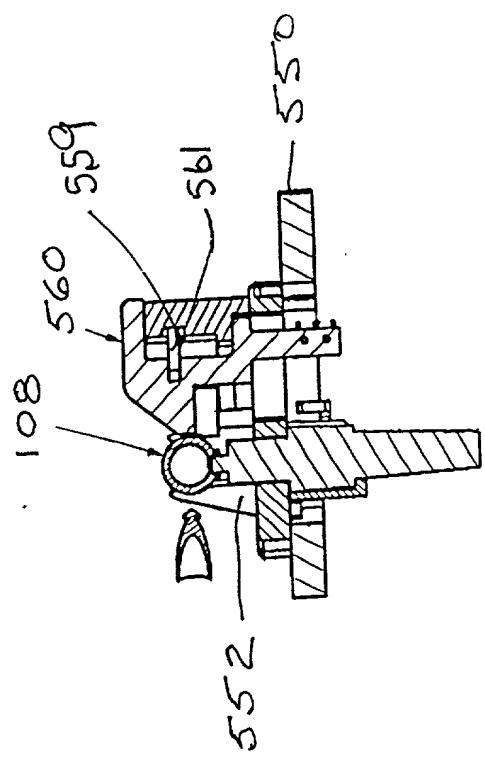
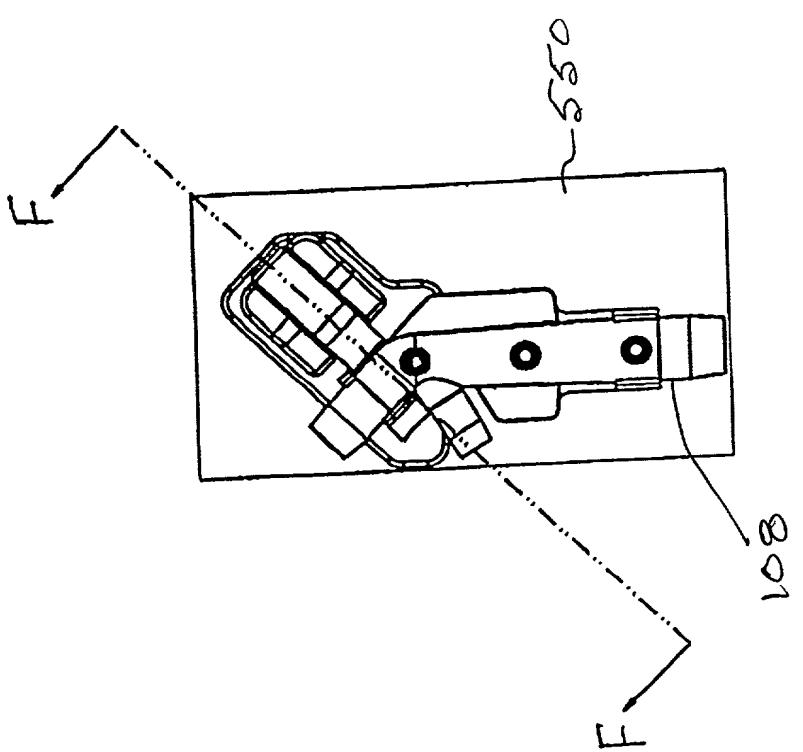
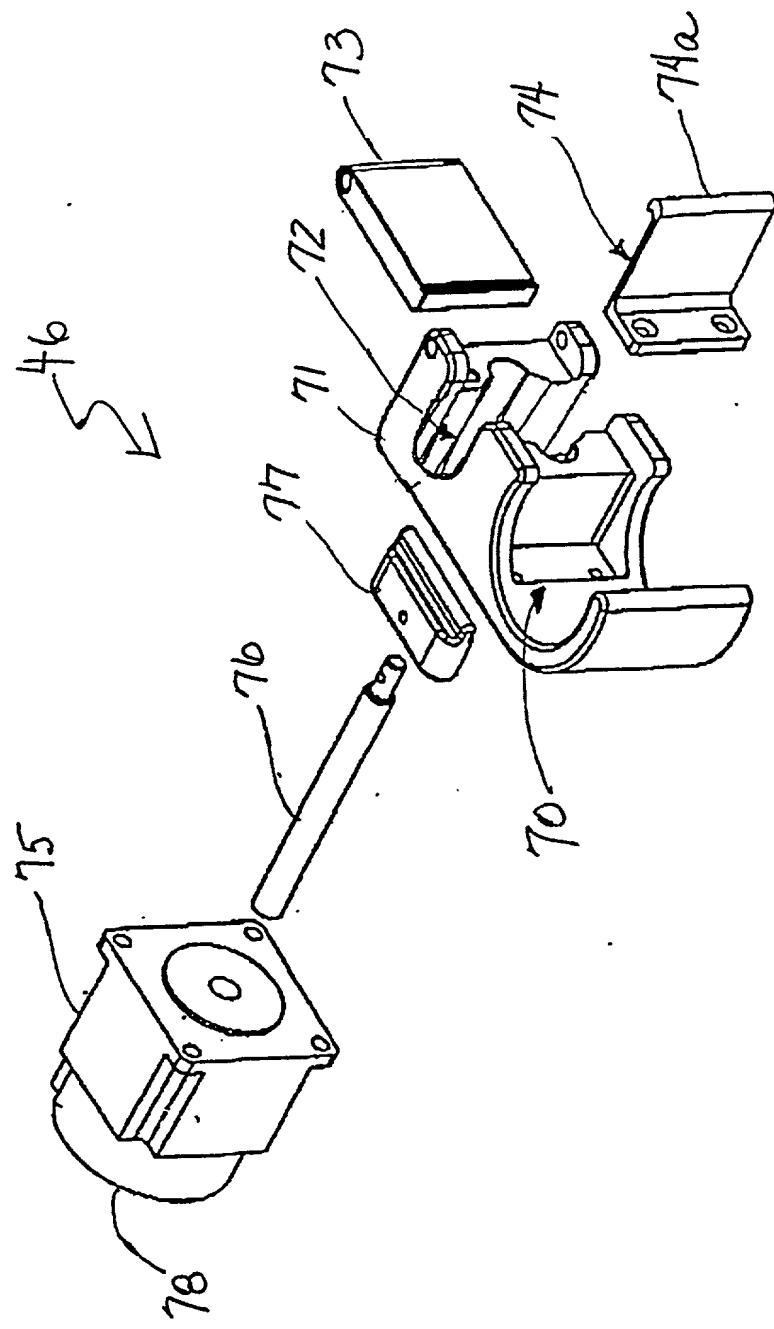
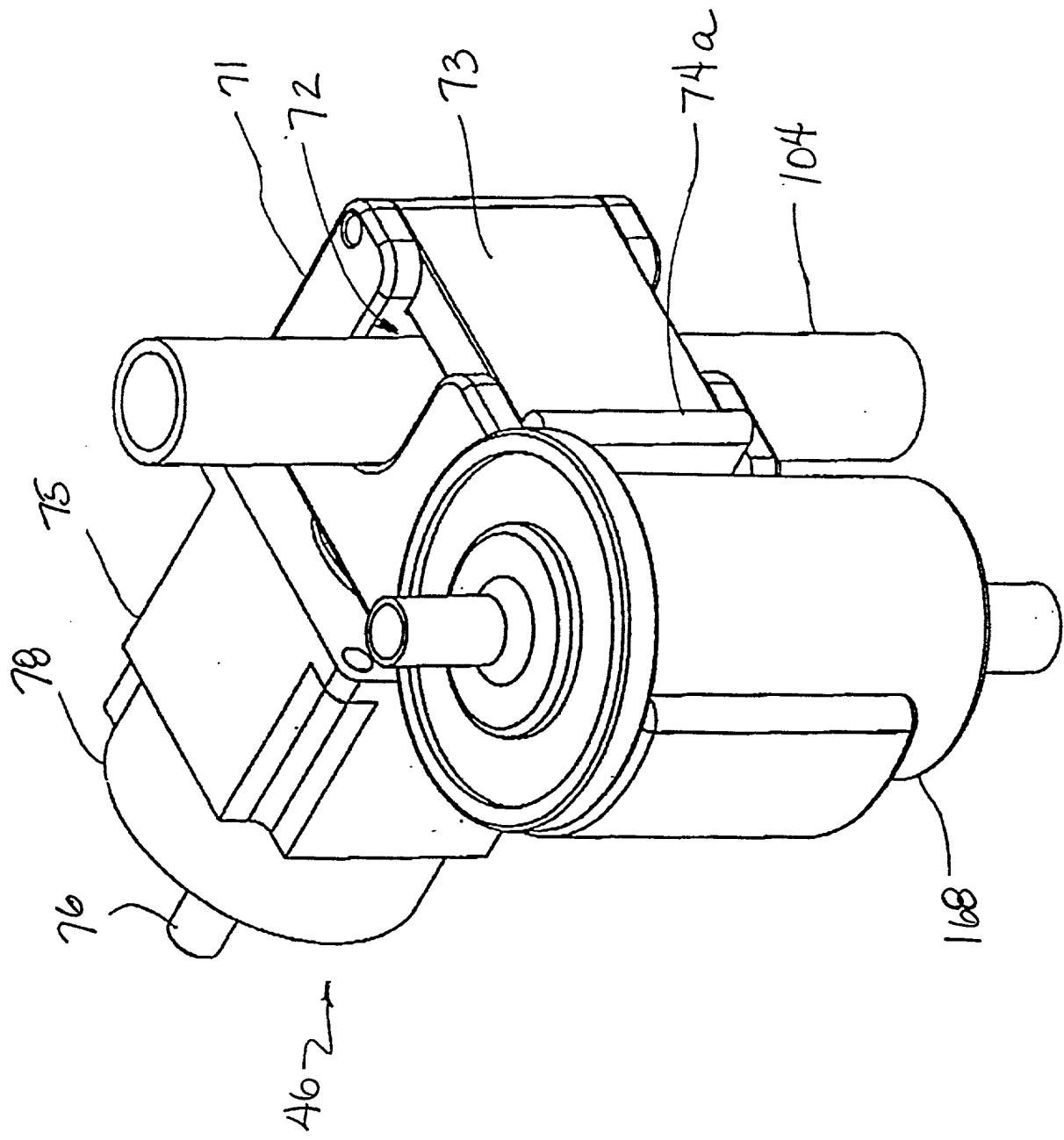
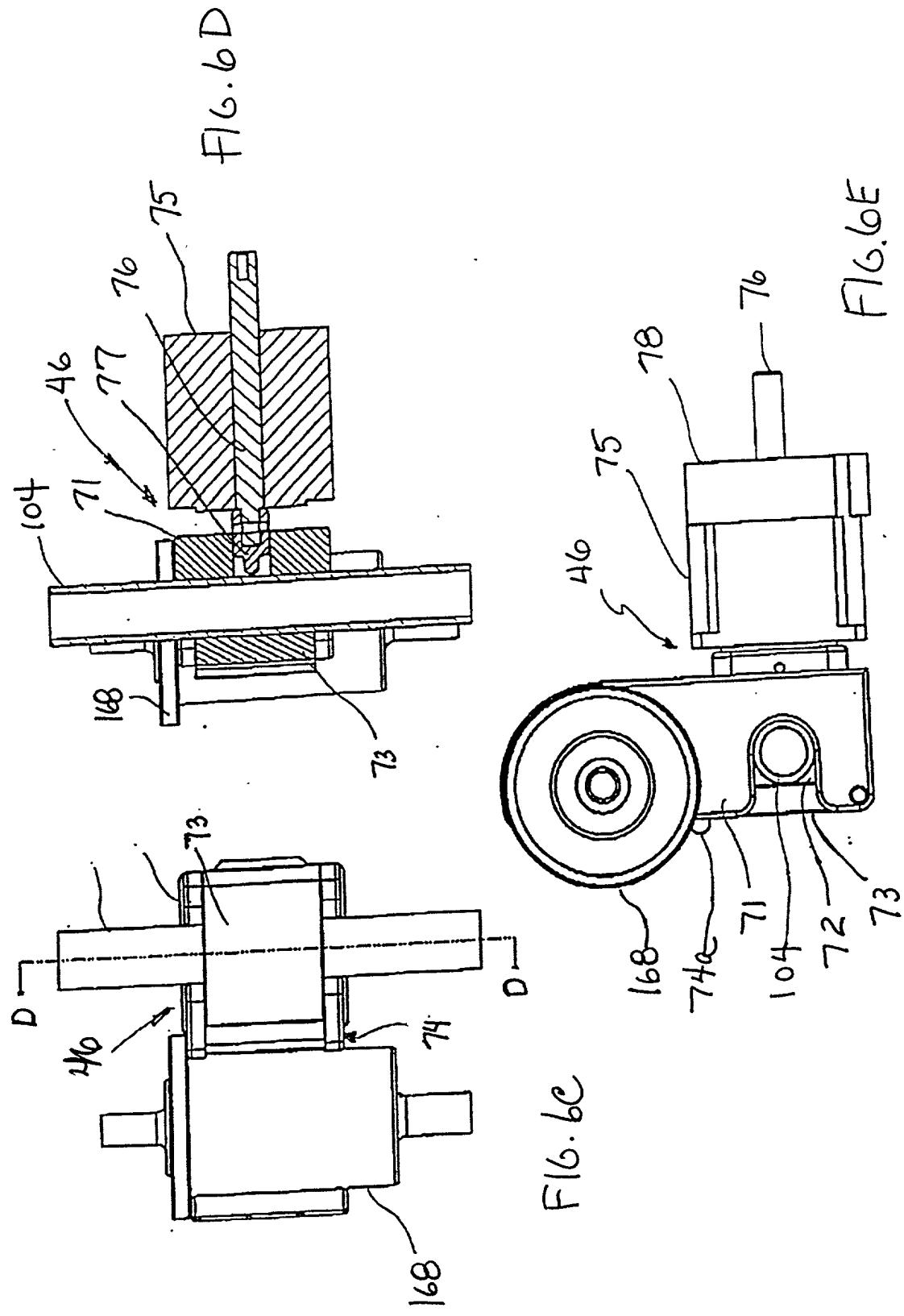


FIG. 6A







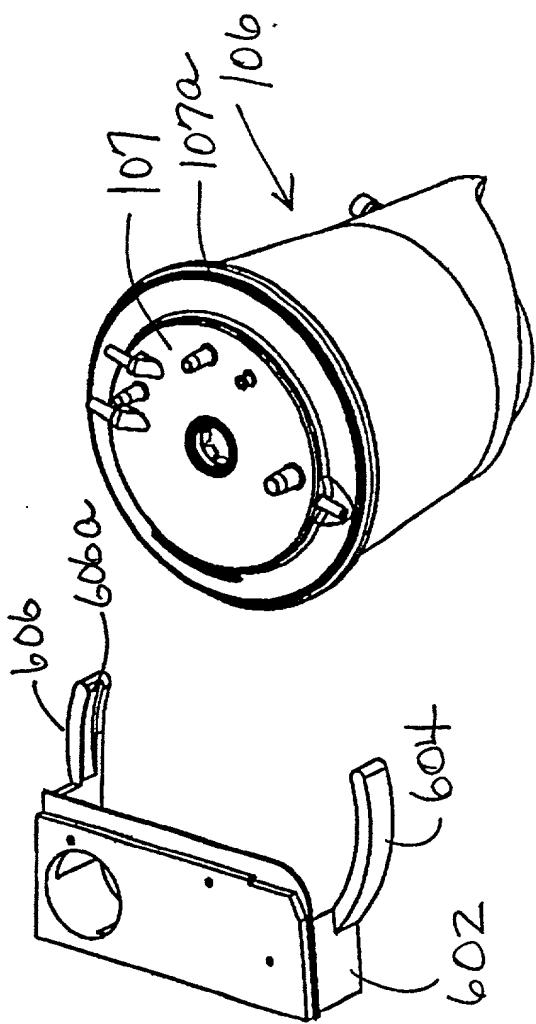


FIG. 7A

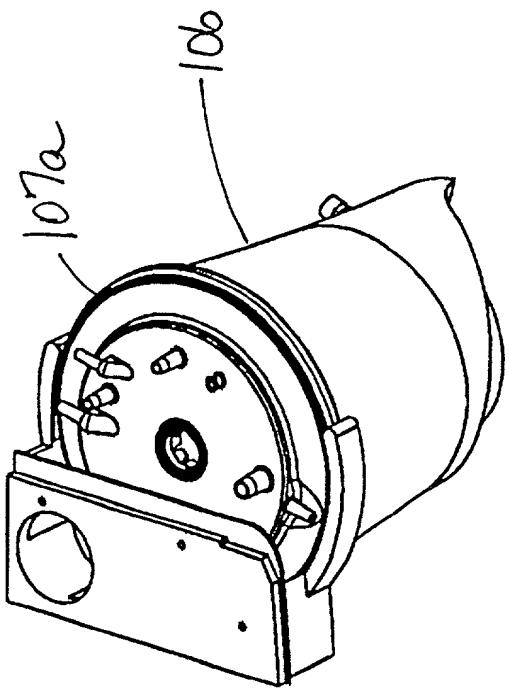


FIG. 7B

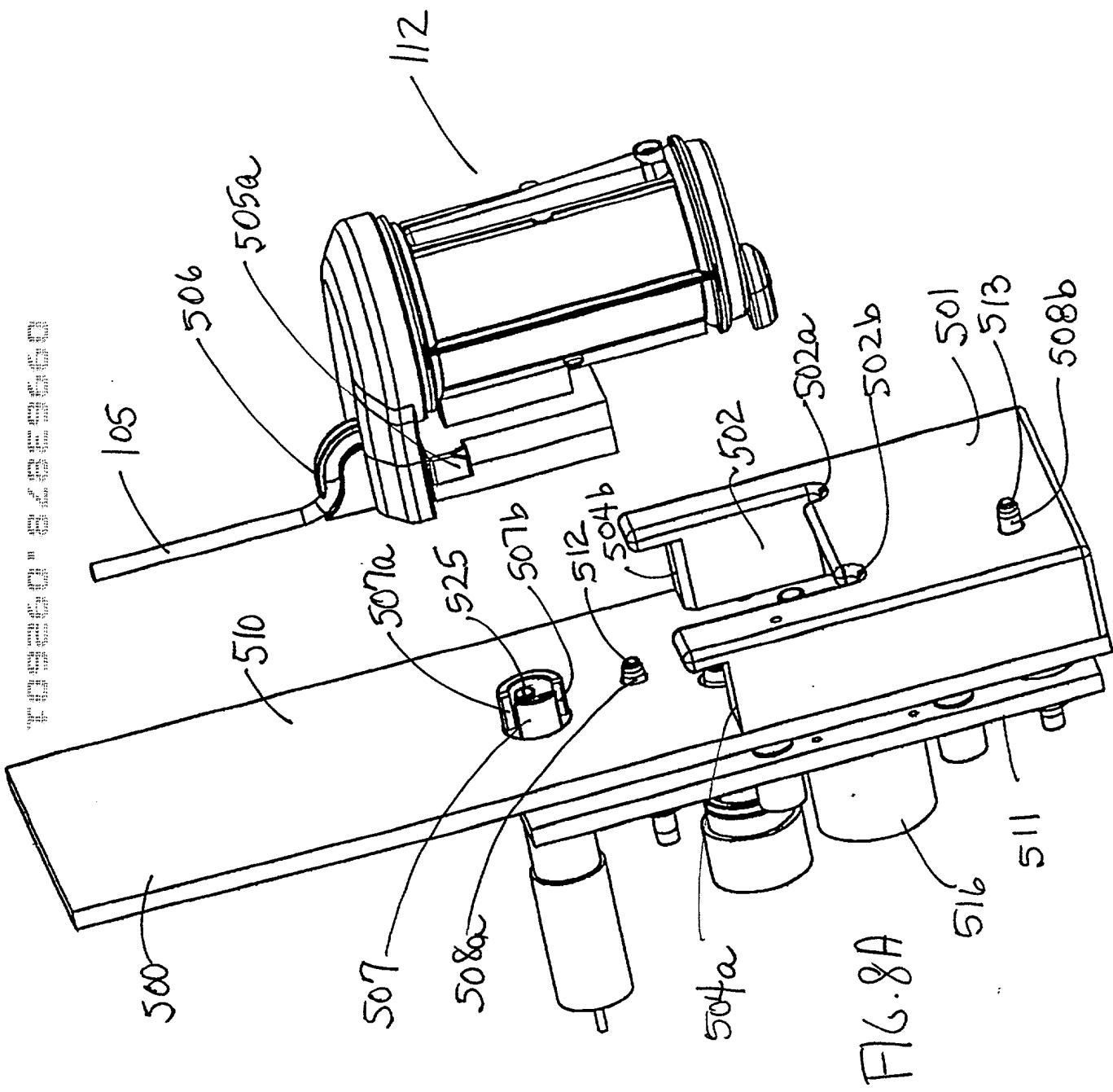
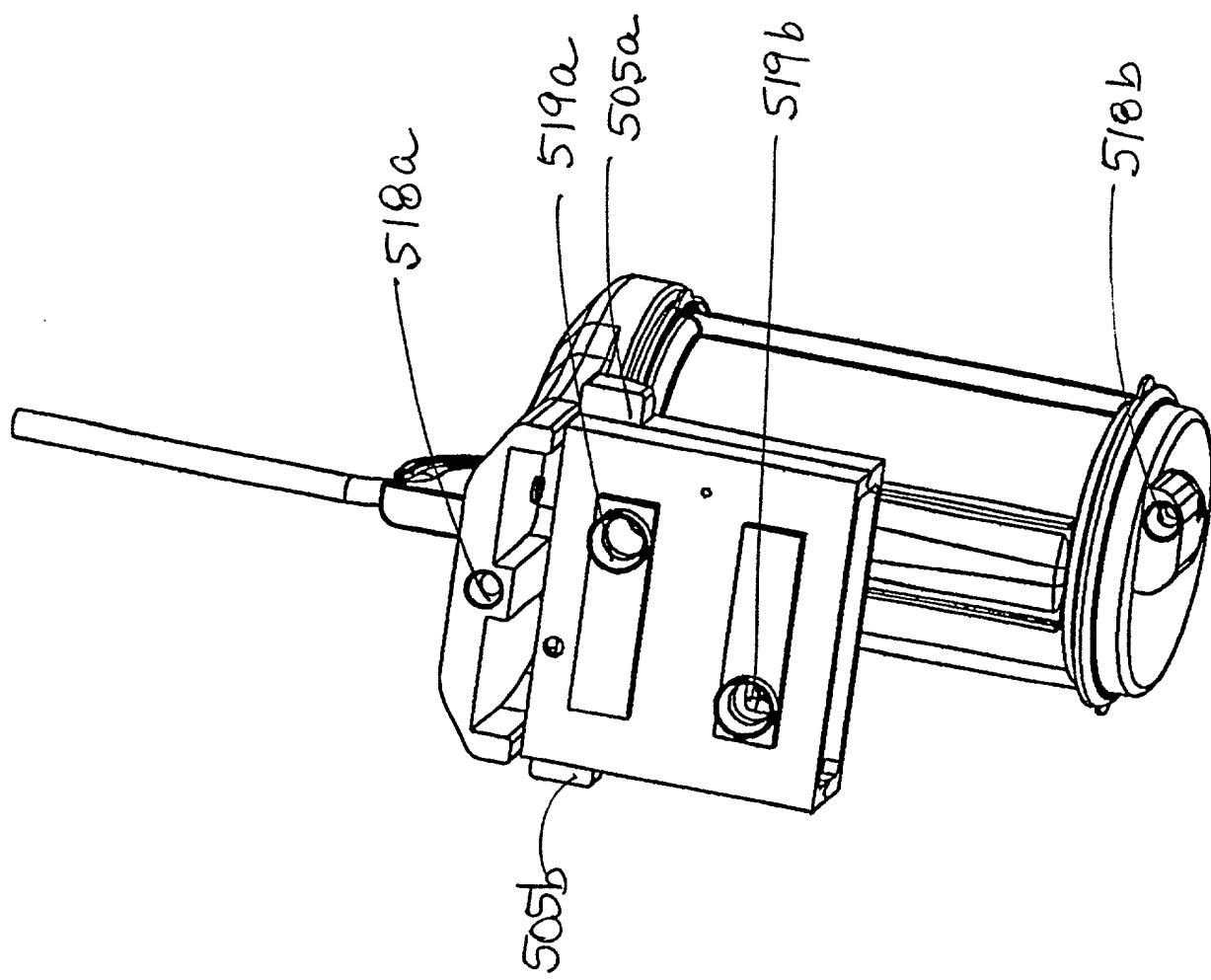


Fig. 8B



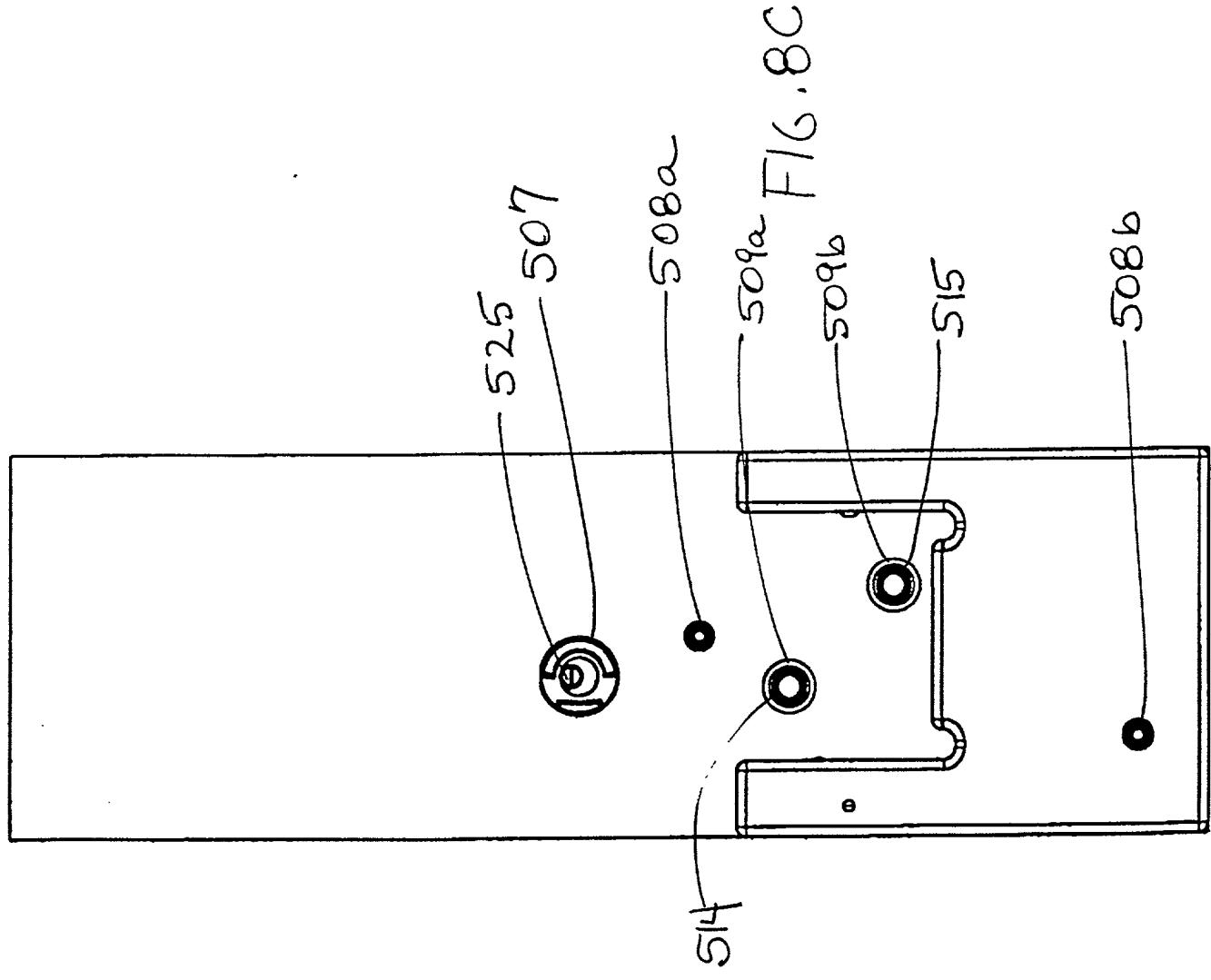
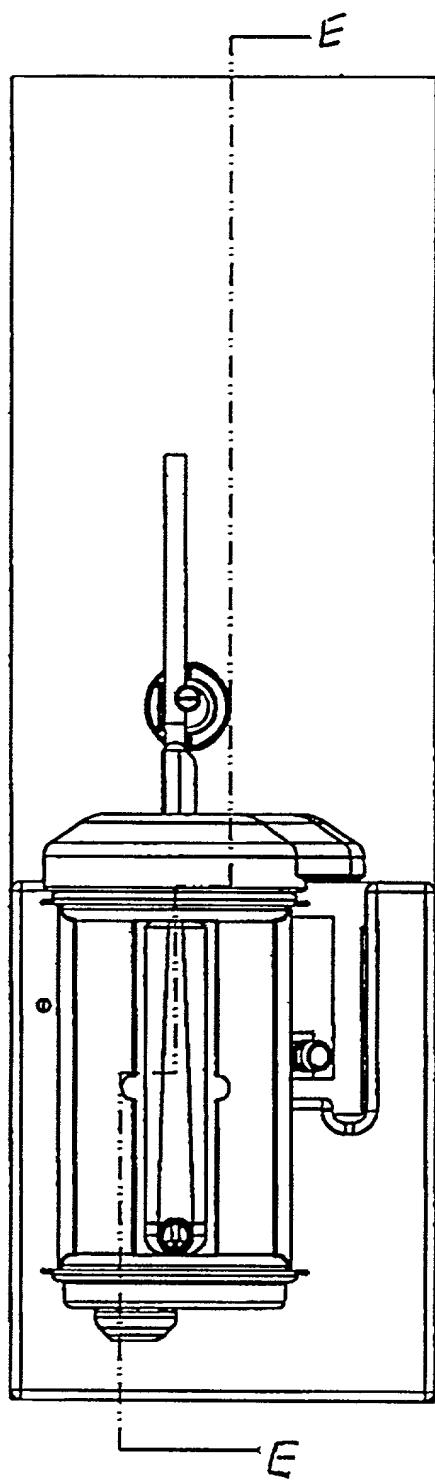


FIG. 8D



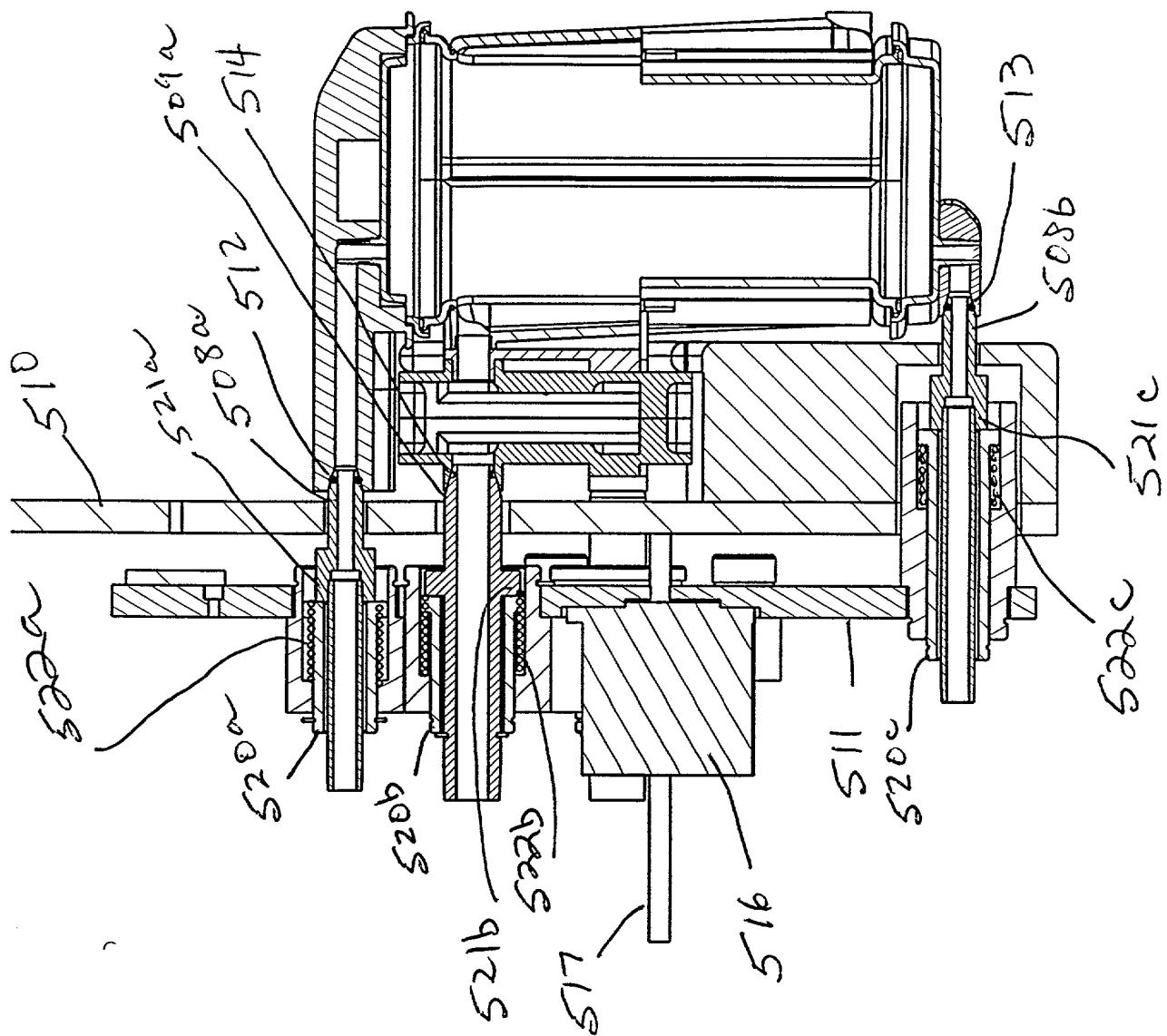


FIG. 8E

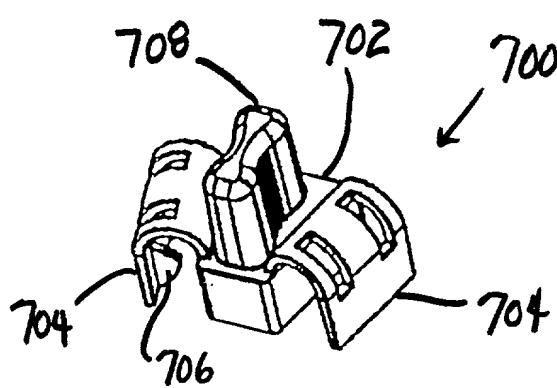


FIG. 9A

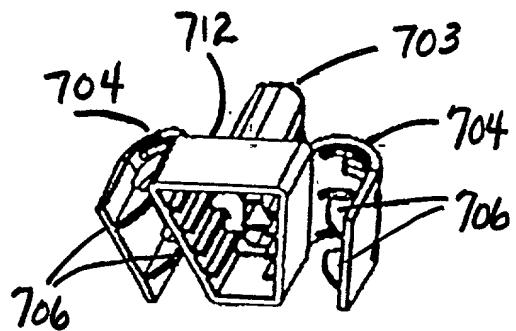


FIG. 9B

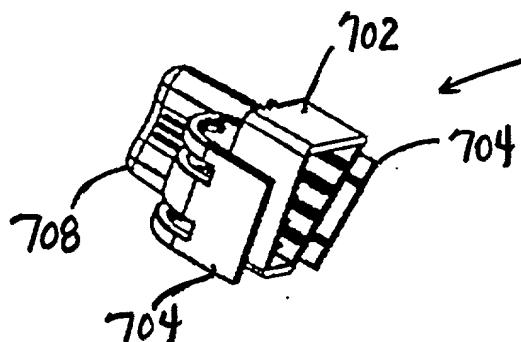


FIG. 9C

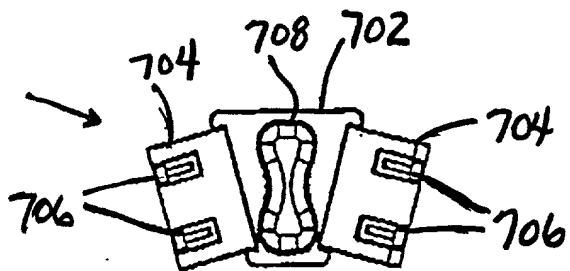


FIG. 9D

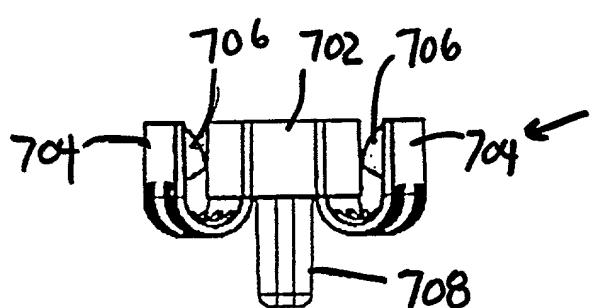


FIG. 9E

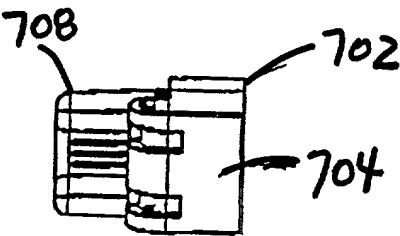
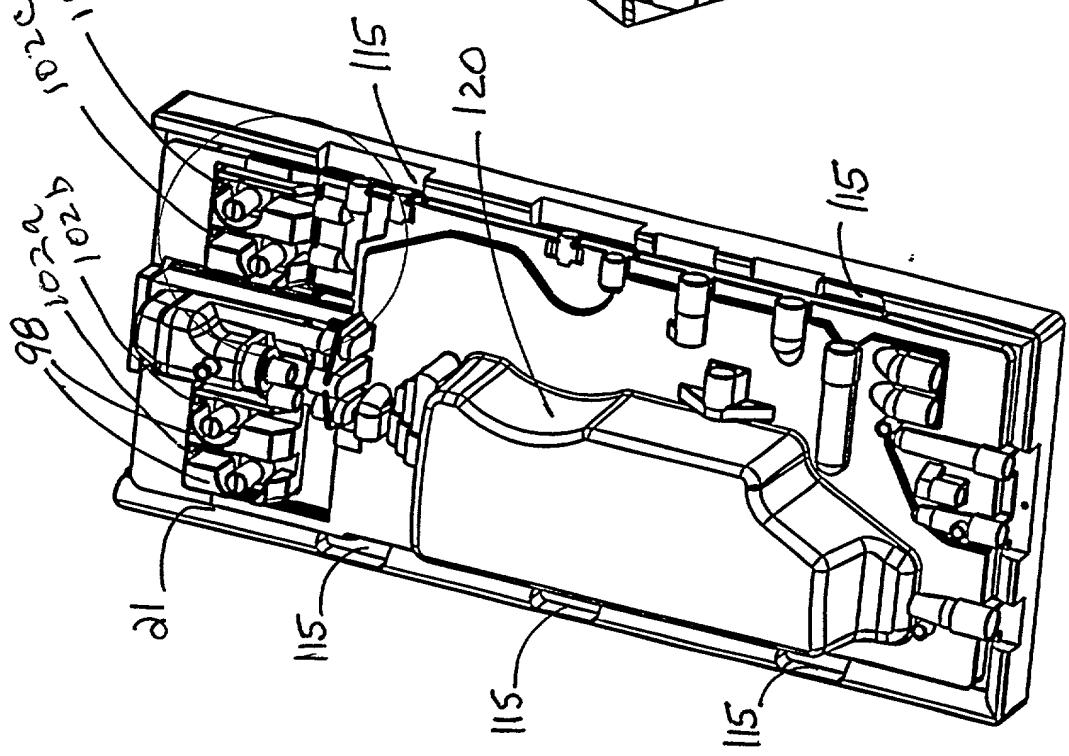
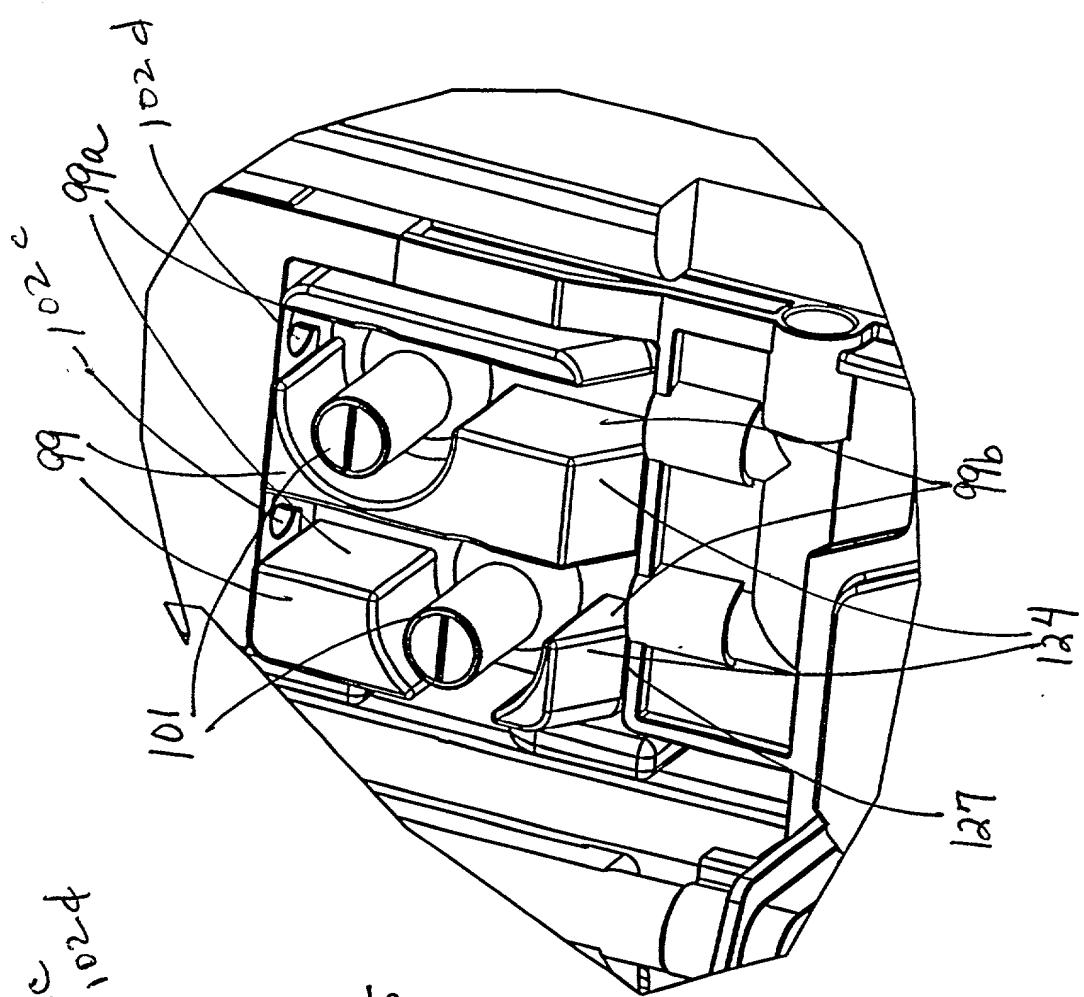


FIG. 9F

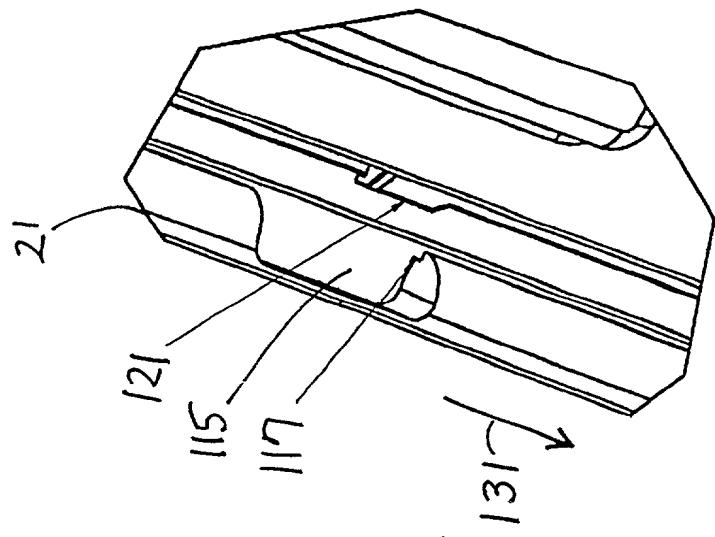
F16. 10A



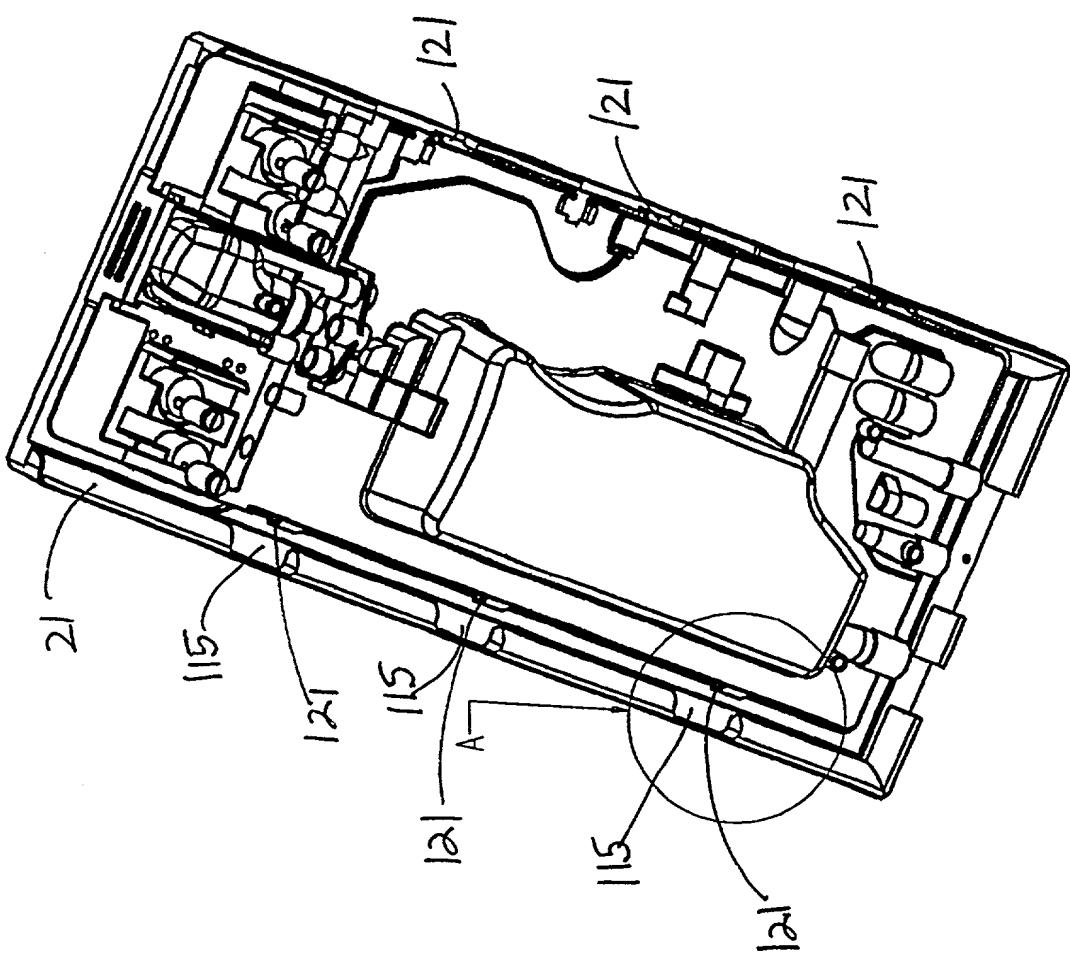
F16. 10B



F16. 10D



F16. 10C



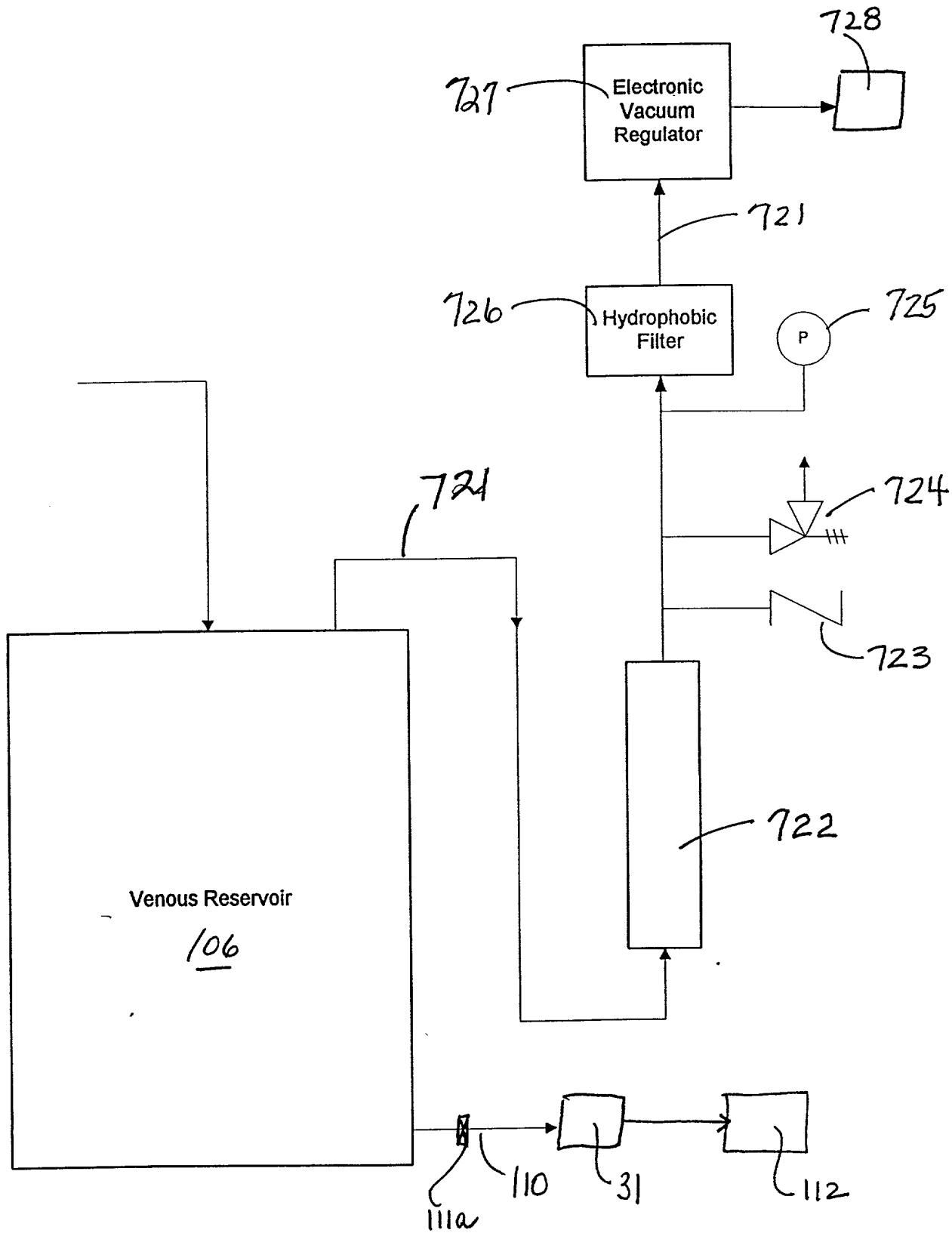


FIG. 11

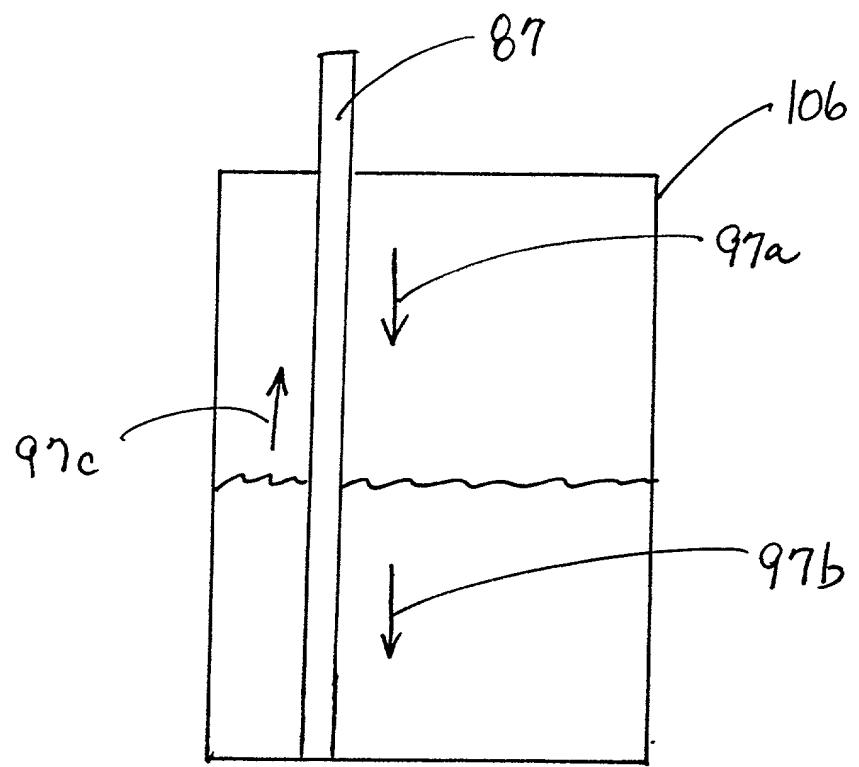
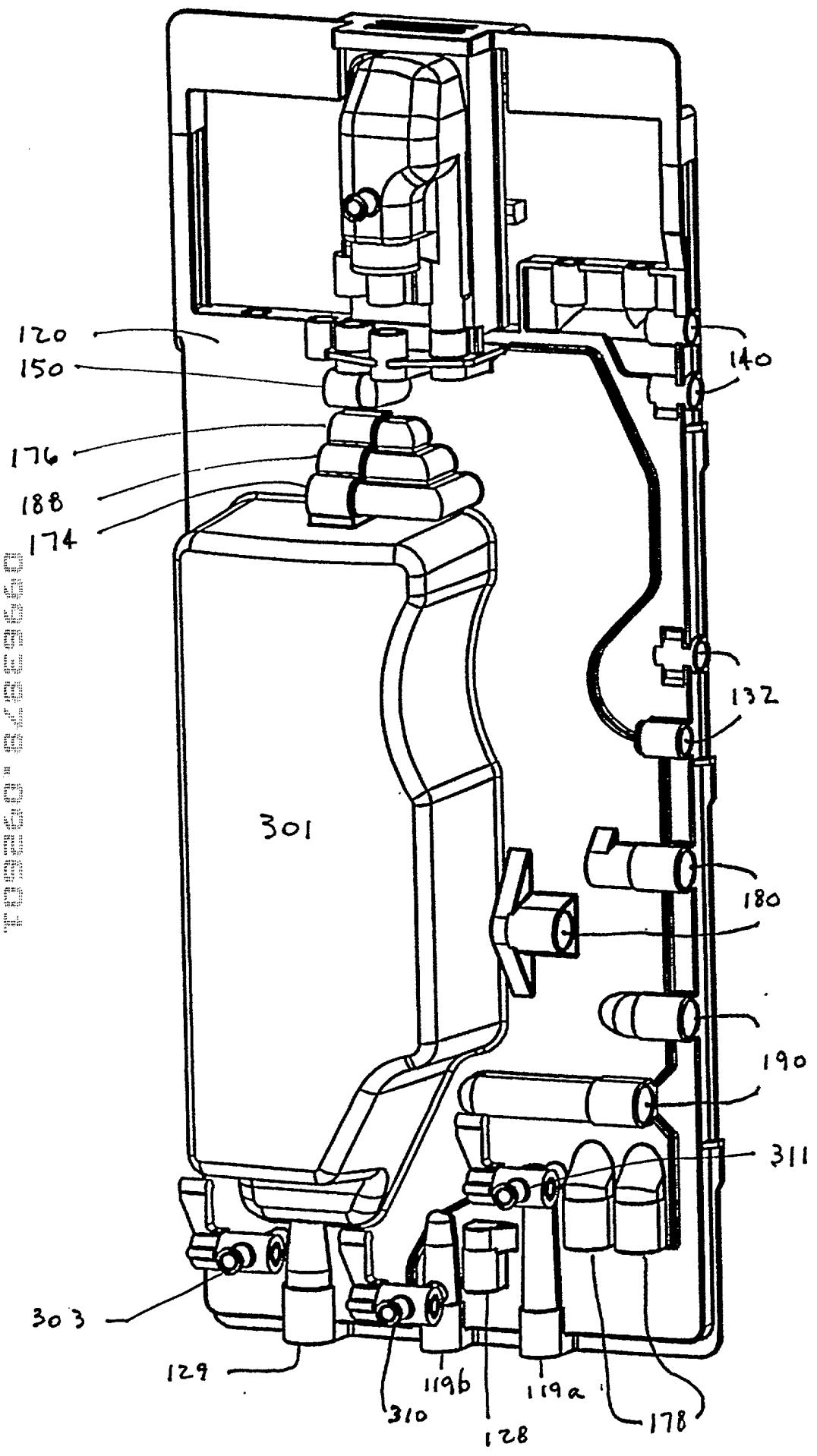


FIG. 12



F16.13

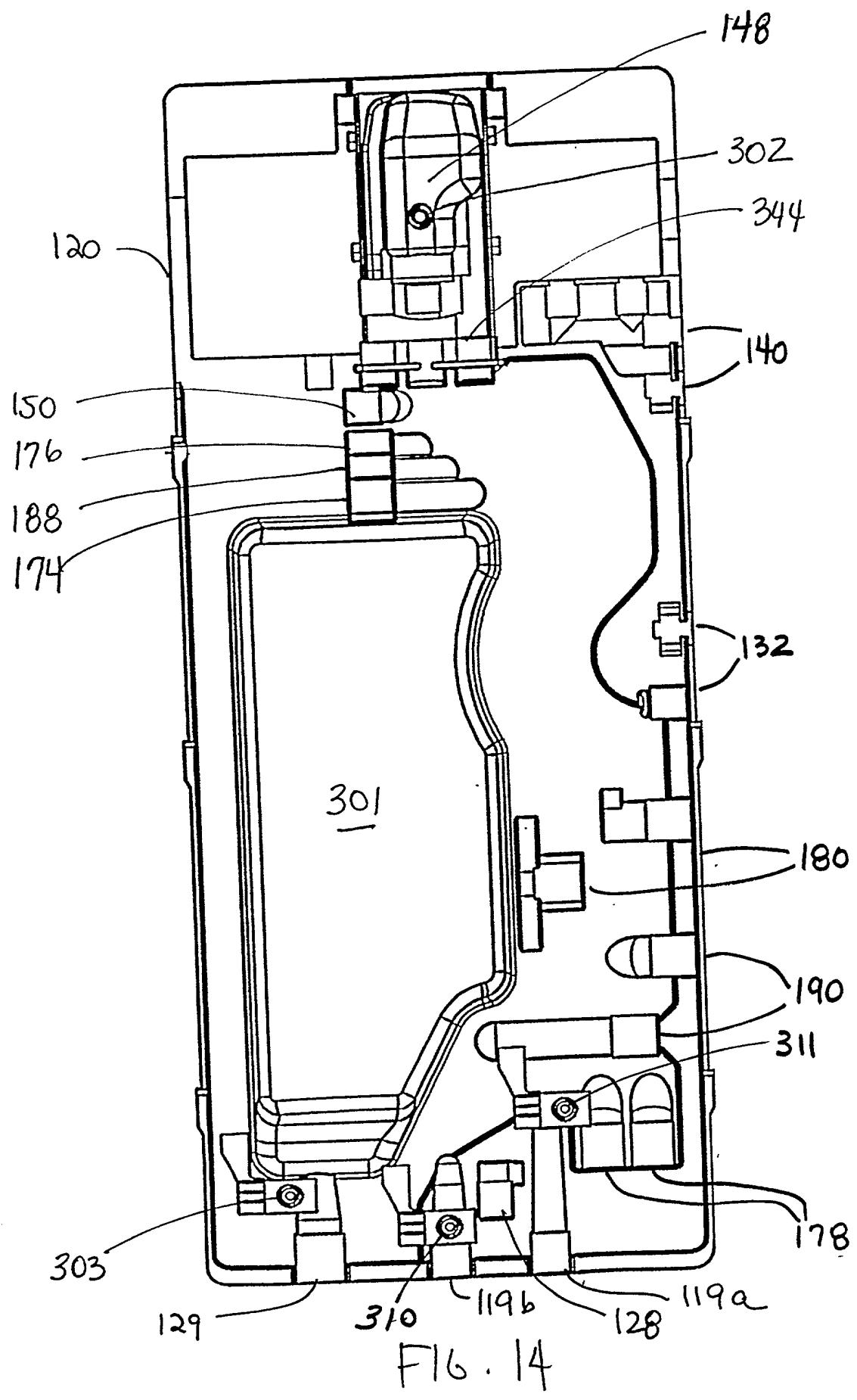


FIG. 14

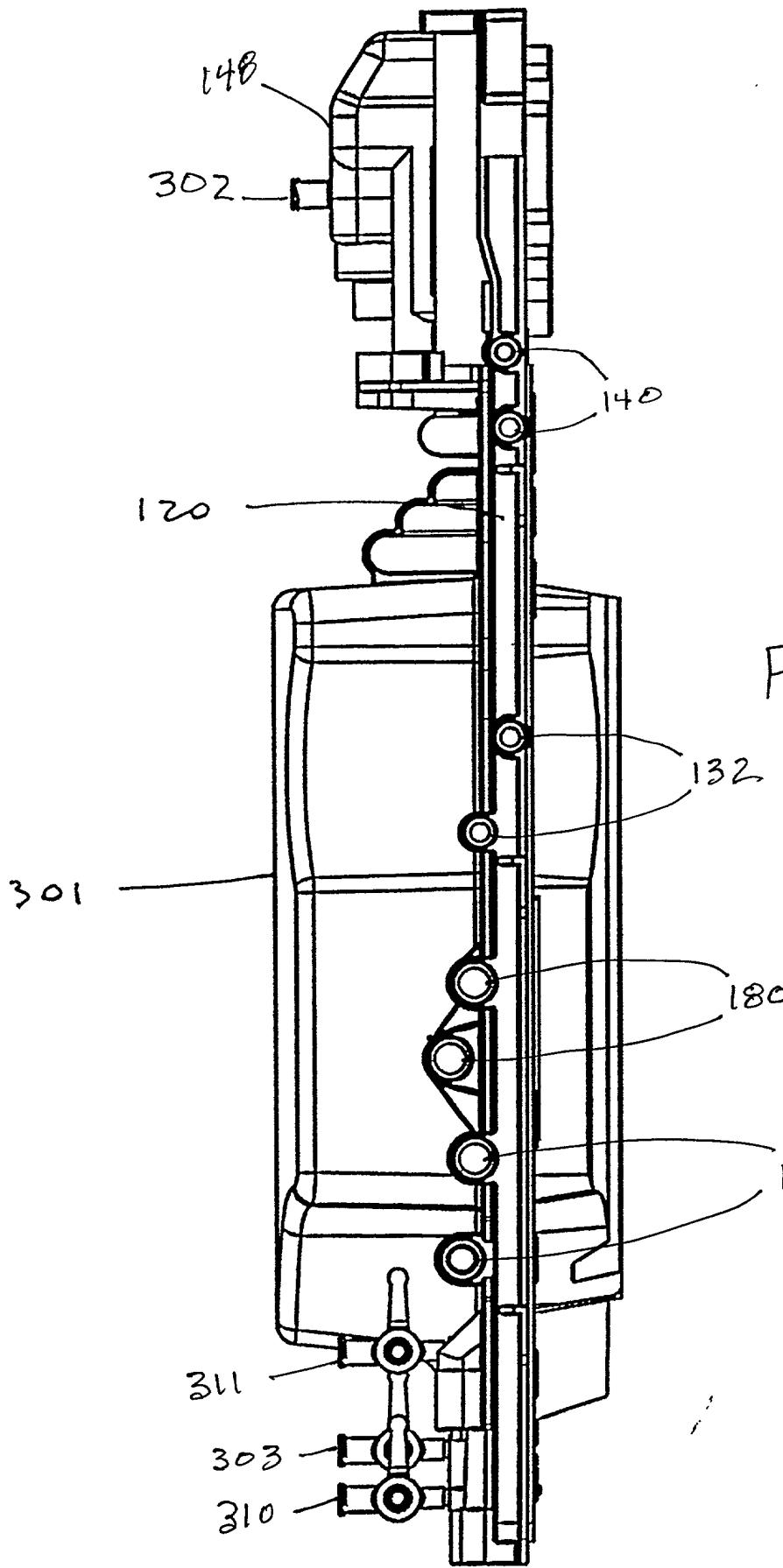
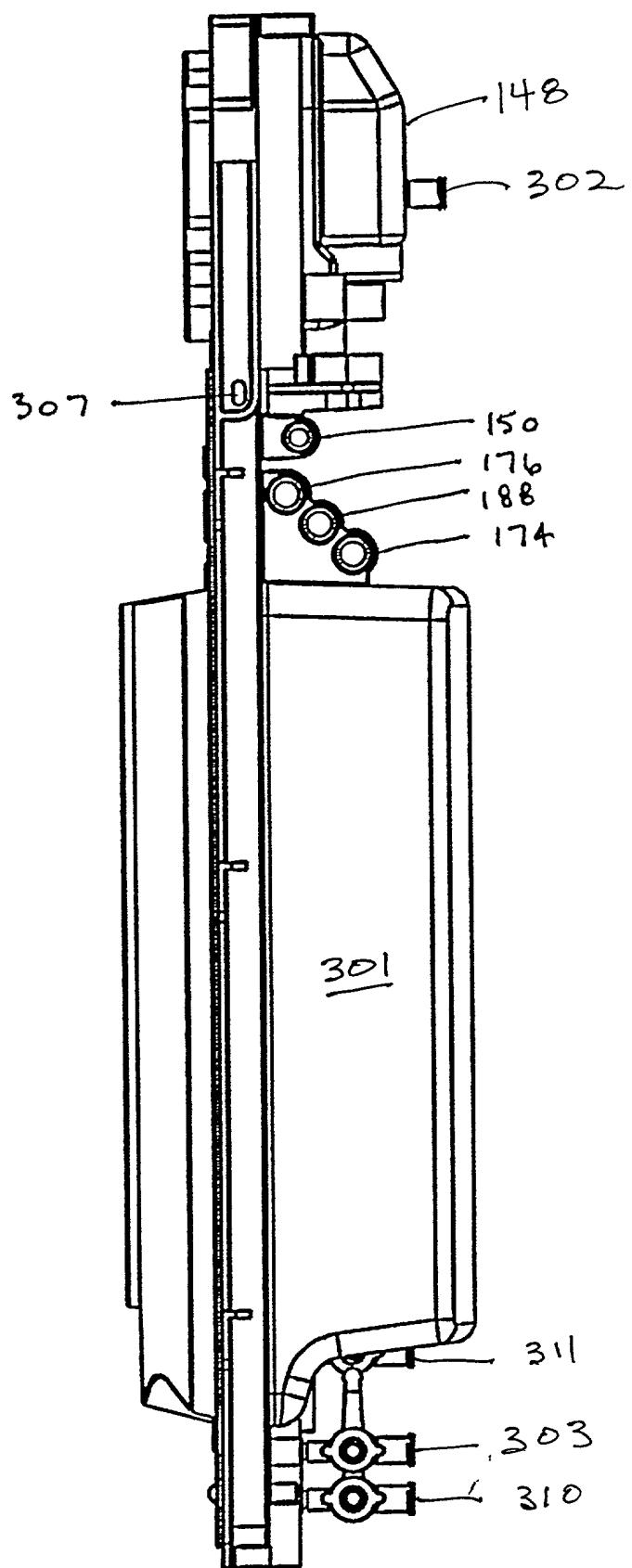


FIG. 15

FIG. 16



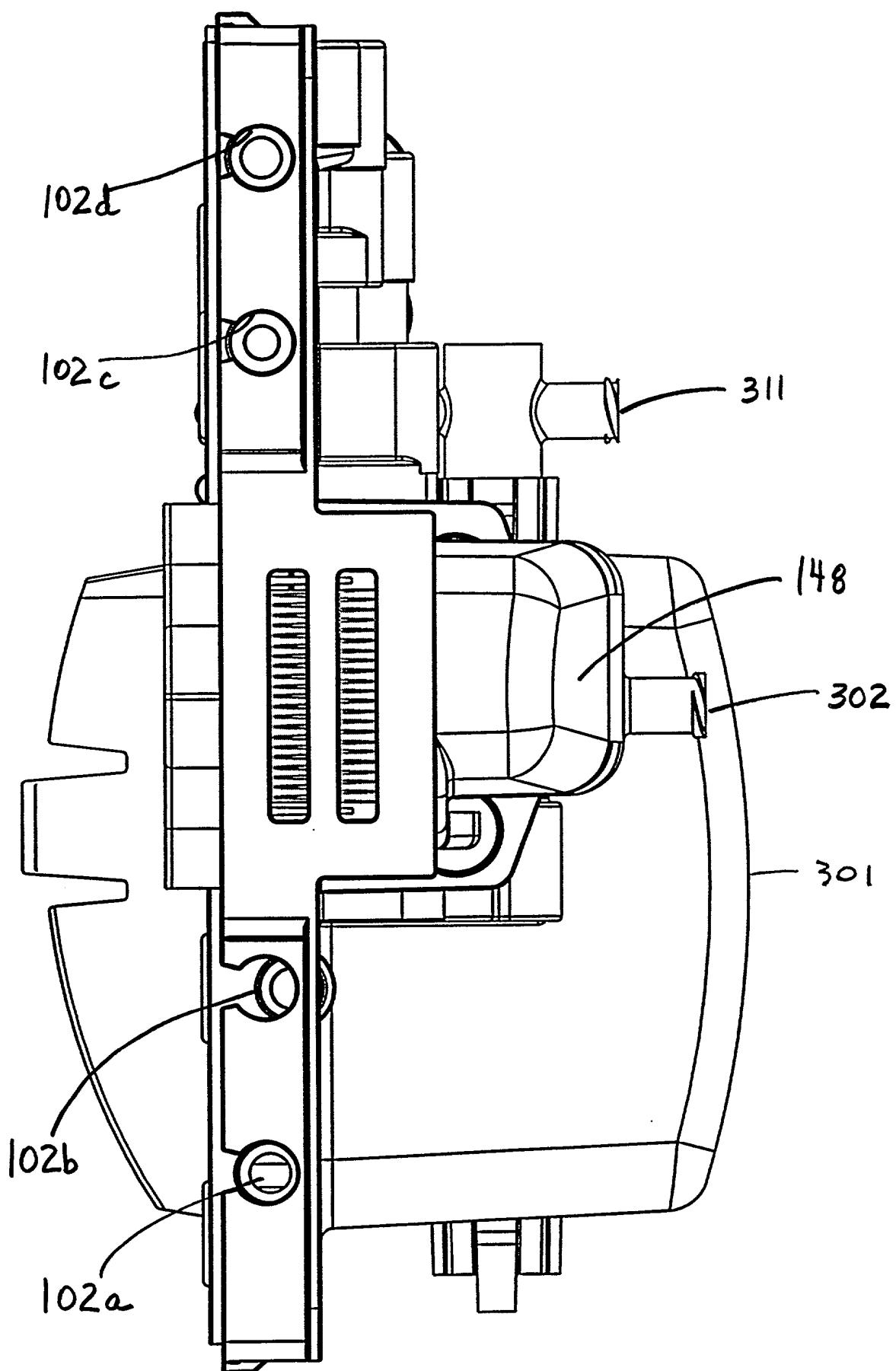


FIG. 17

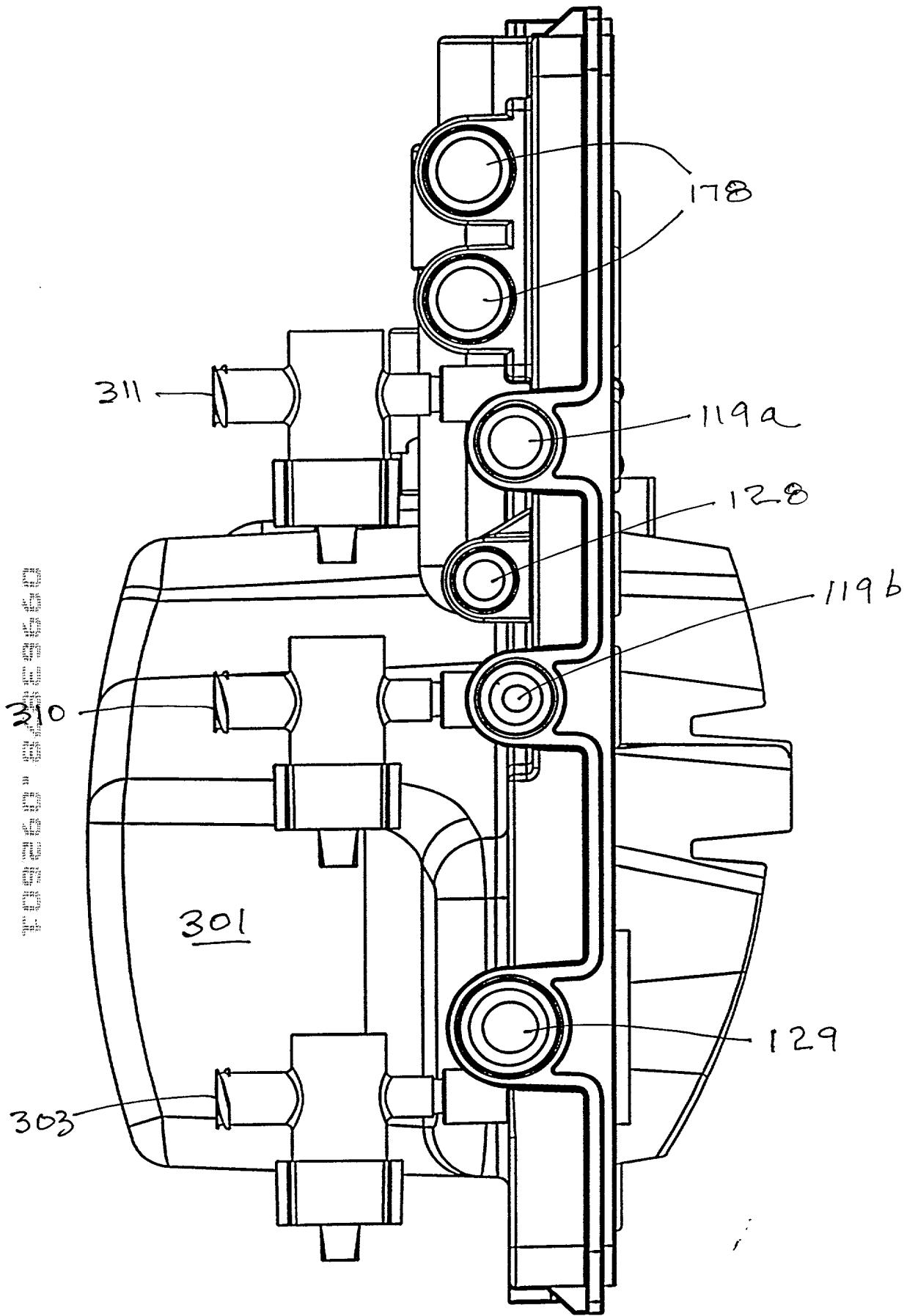
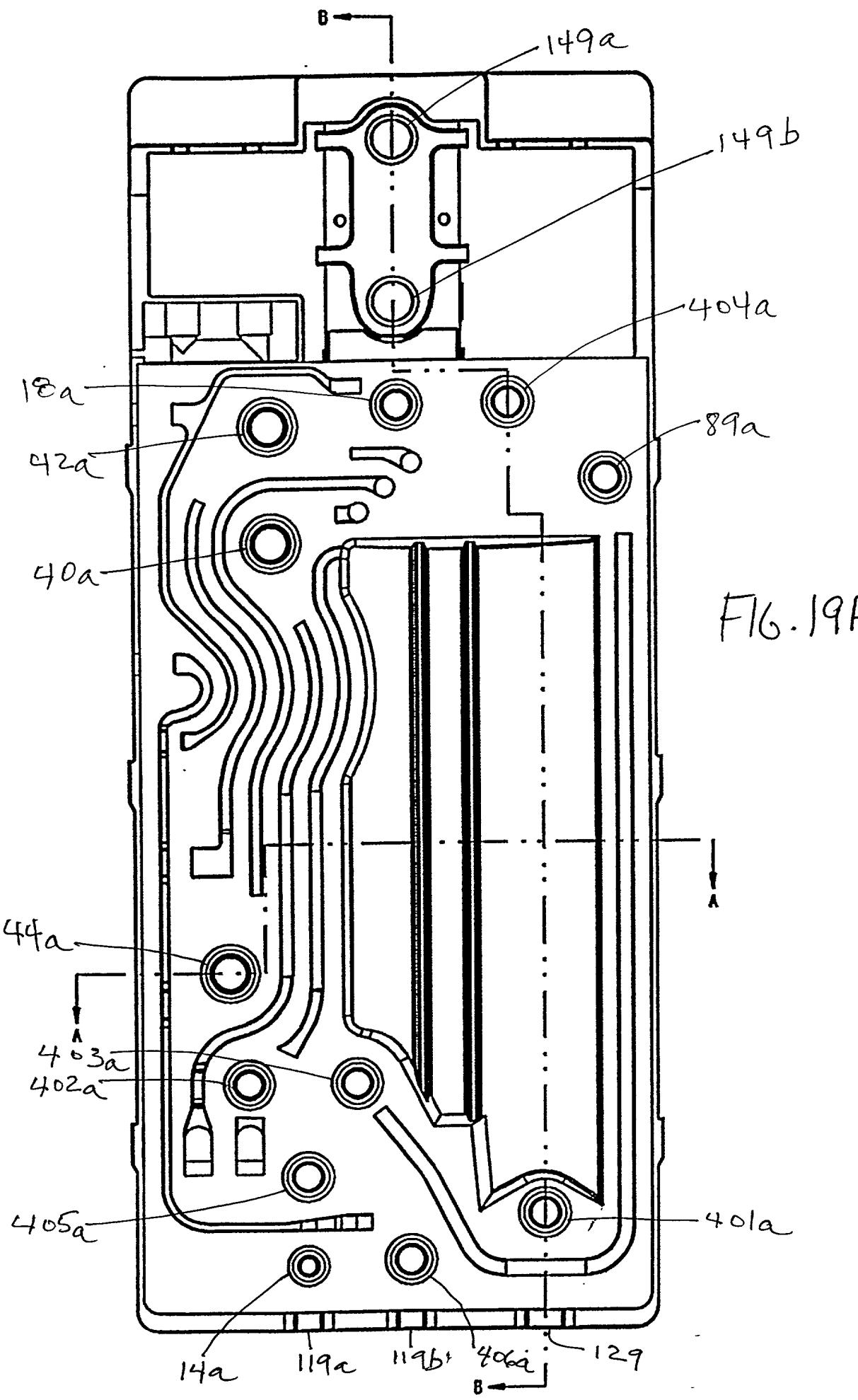


FIG. 18



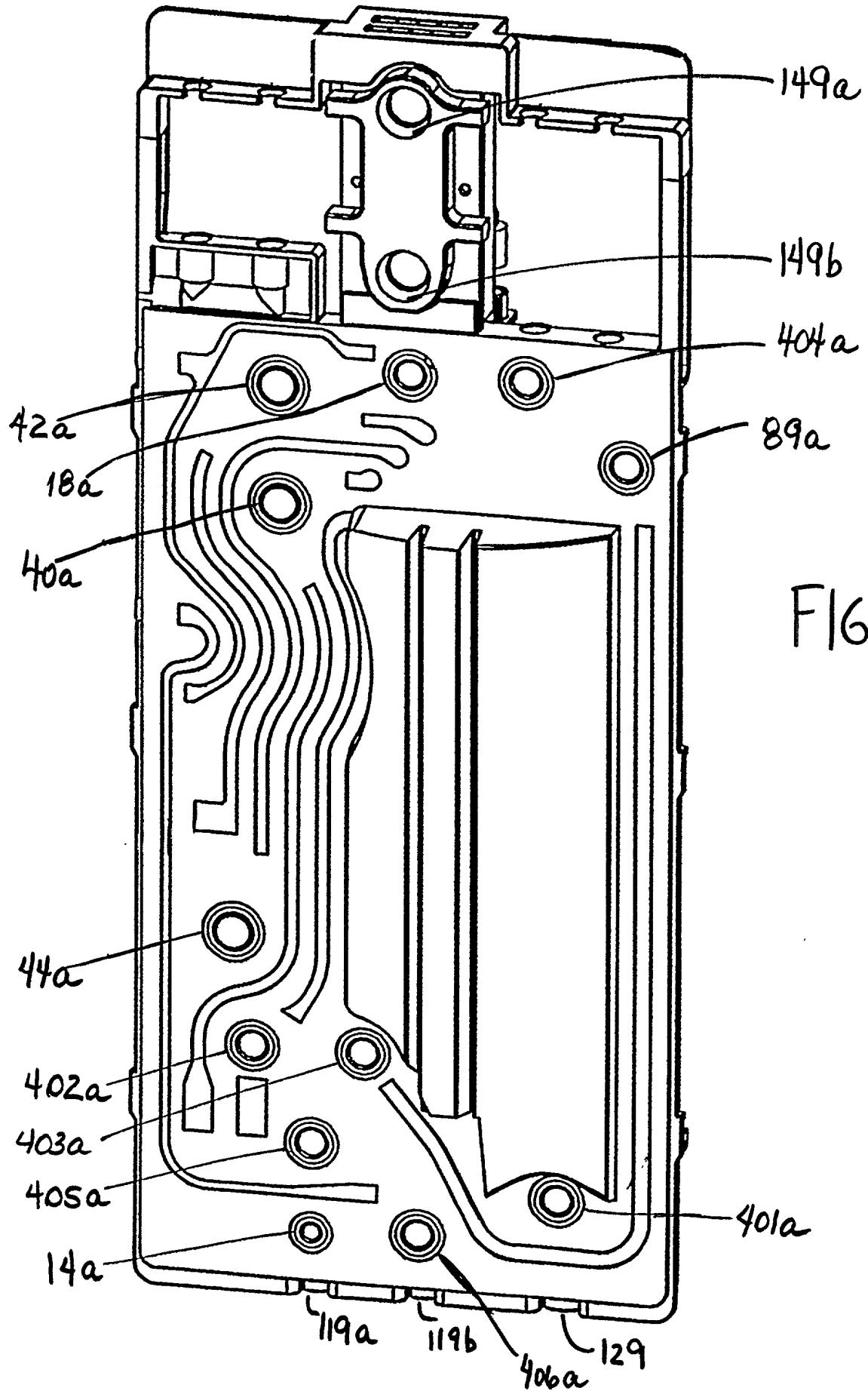


FIG. 19B

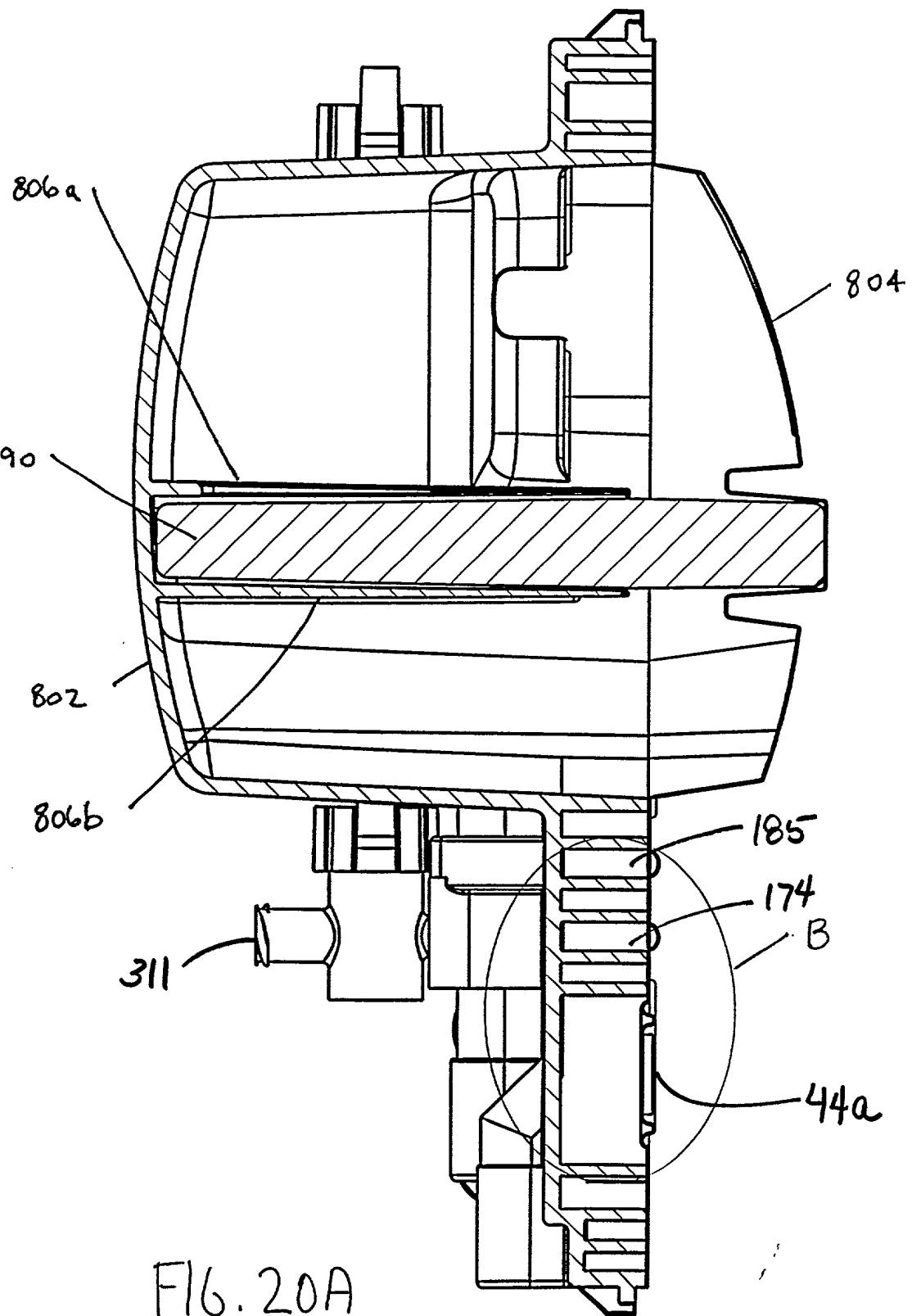
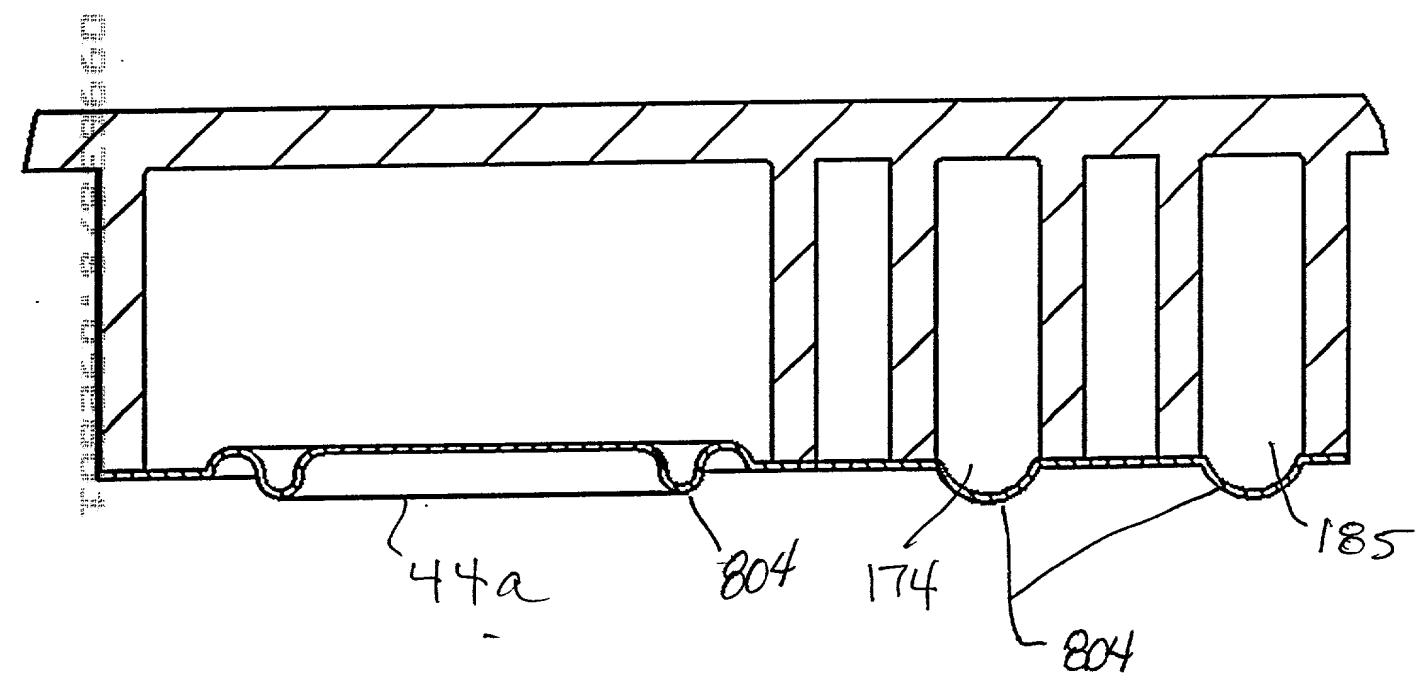


FIG. 20A



F16. 20B

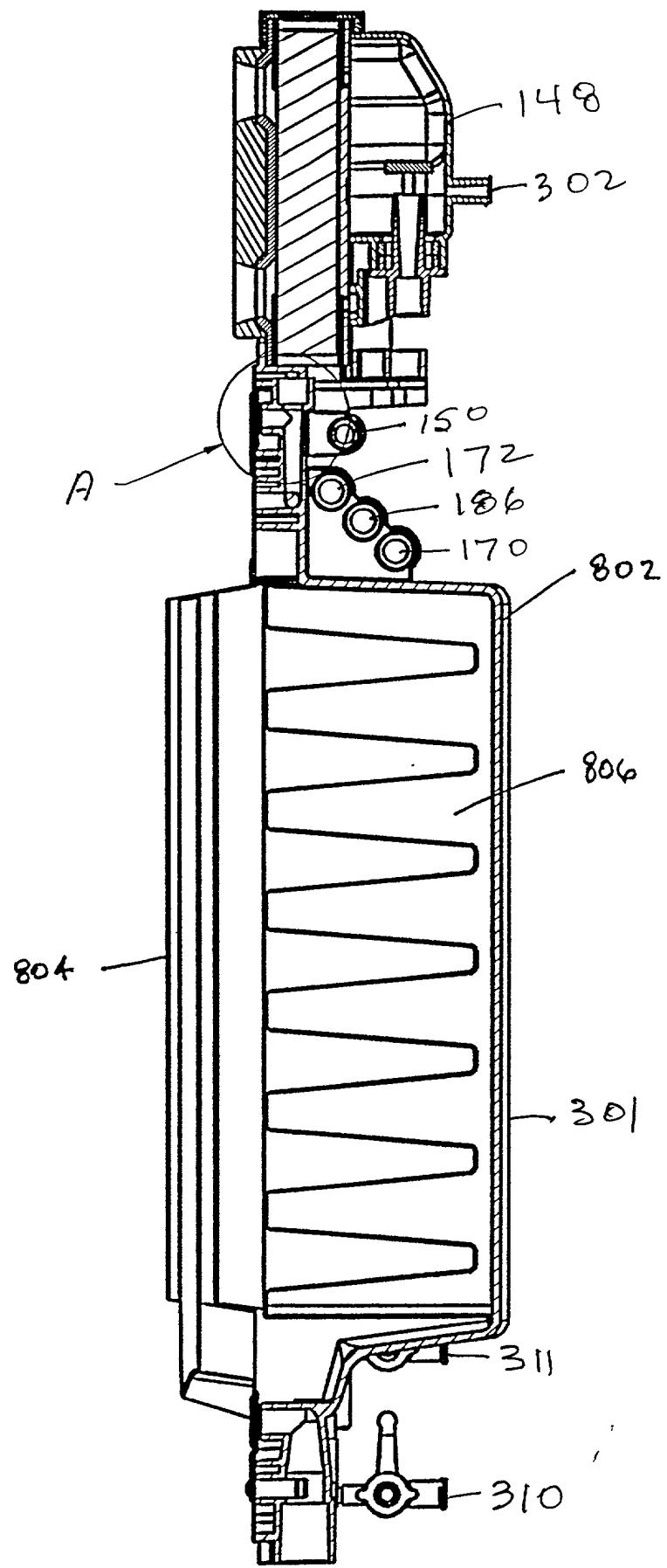


FIG. 21

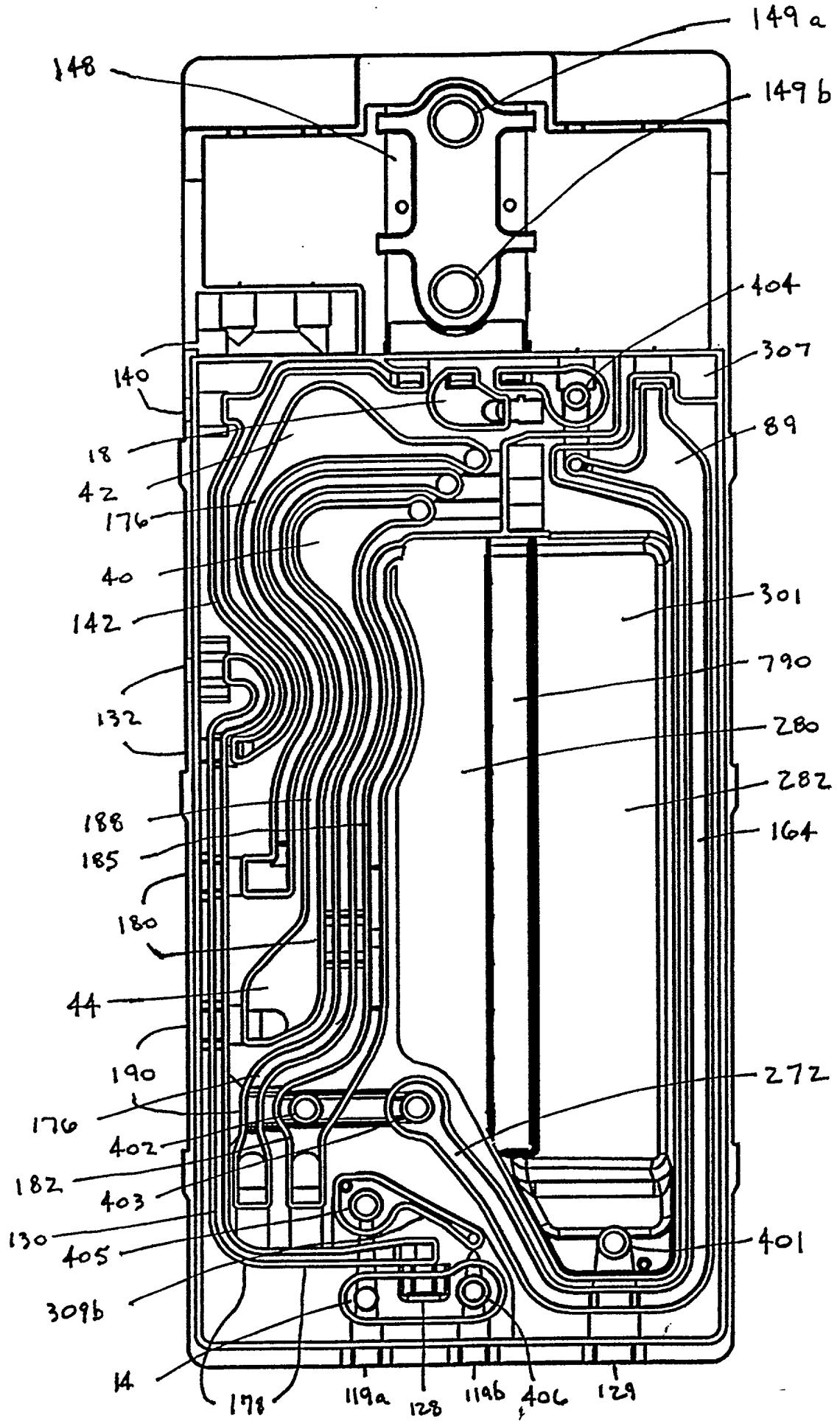


FIG. 22

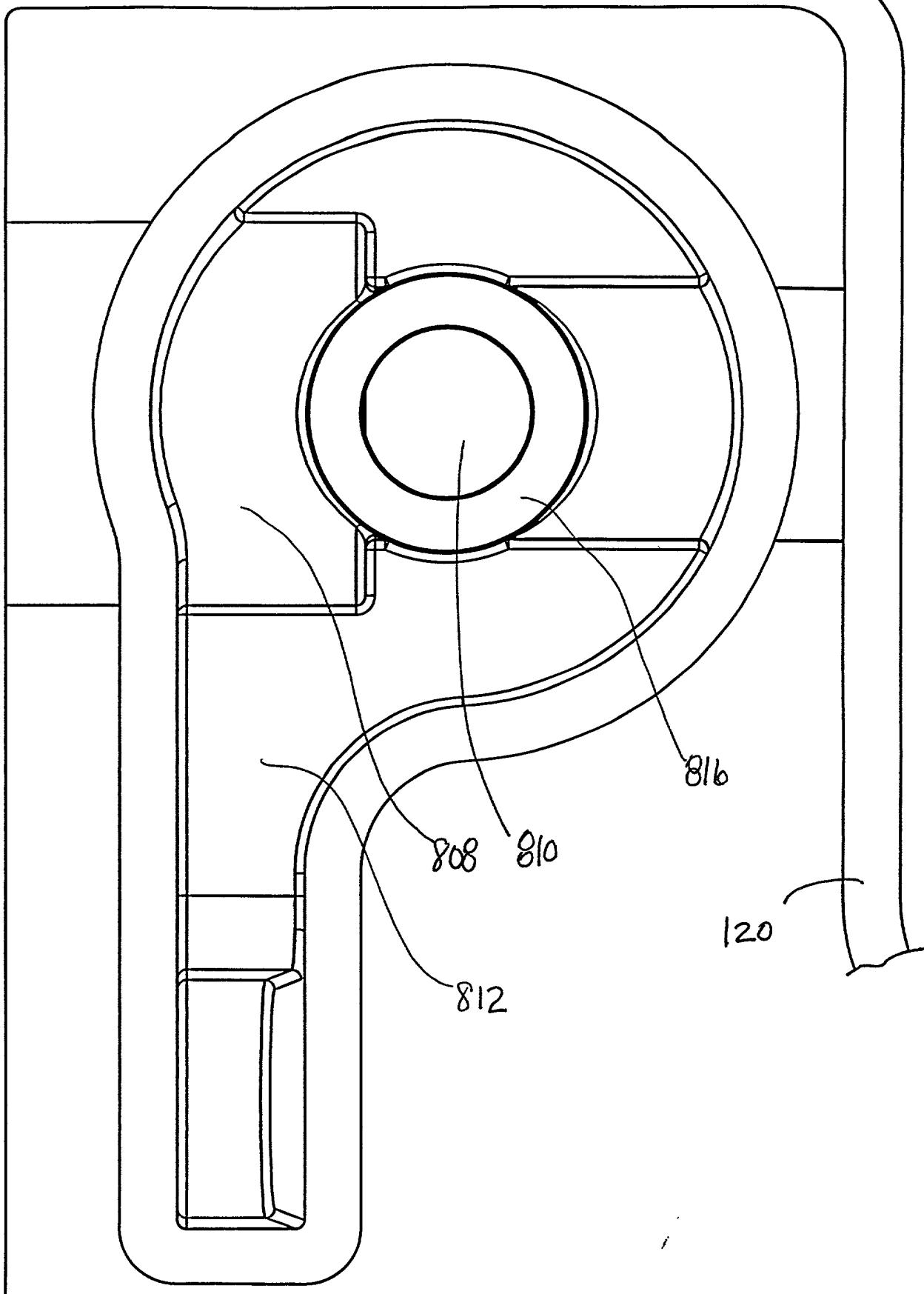


FIG 23 A

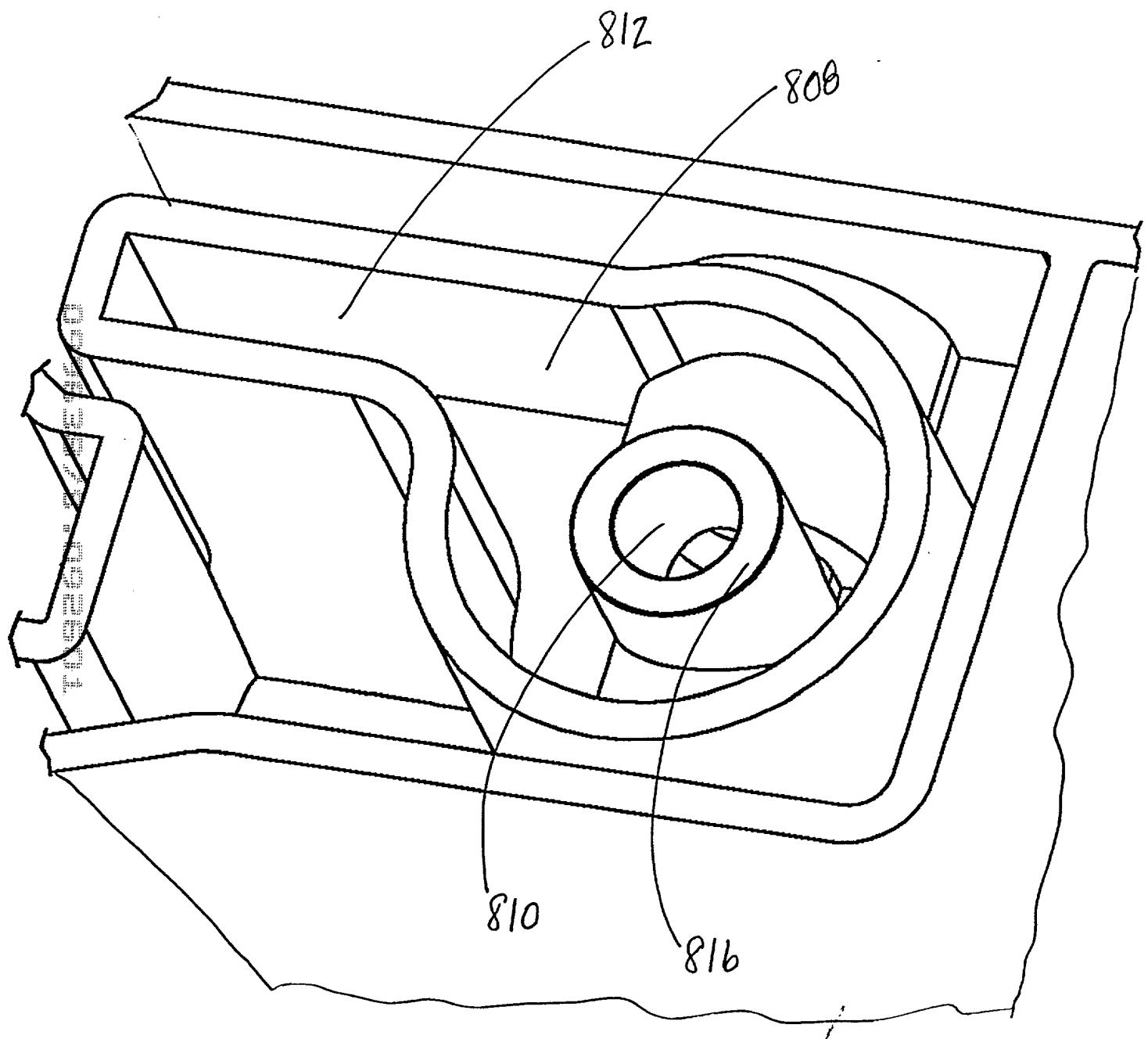


FIG. 23B

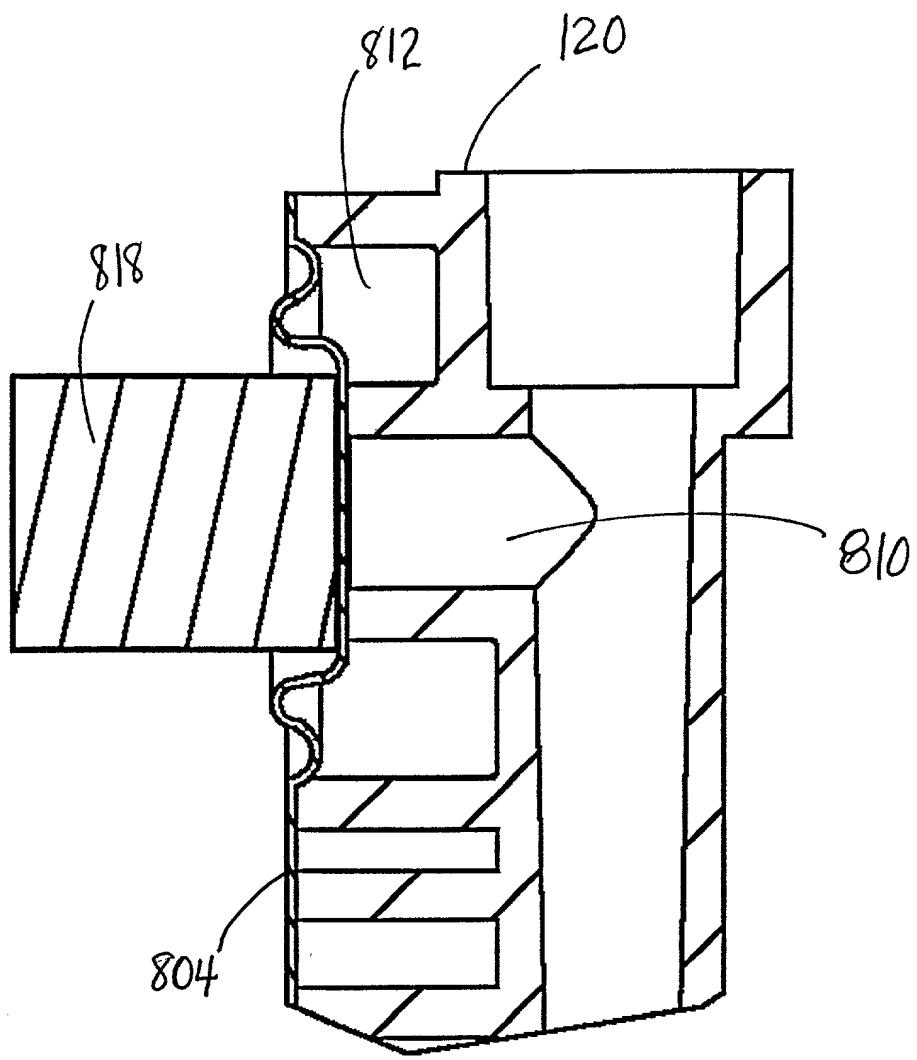


FIG 24 A

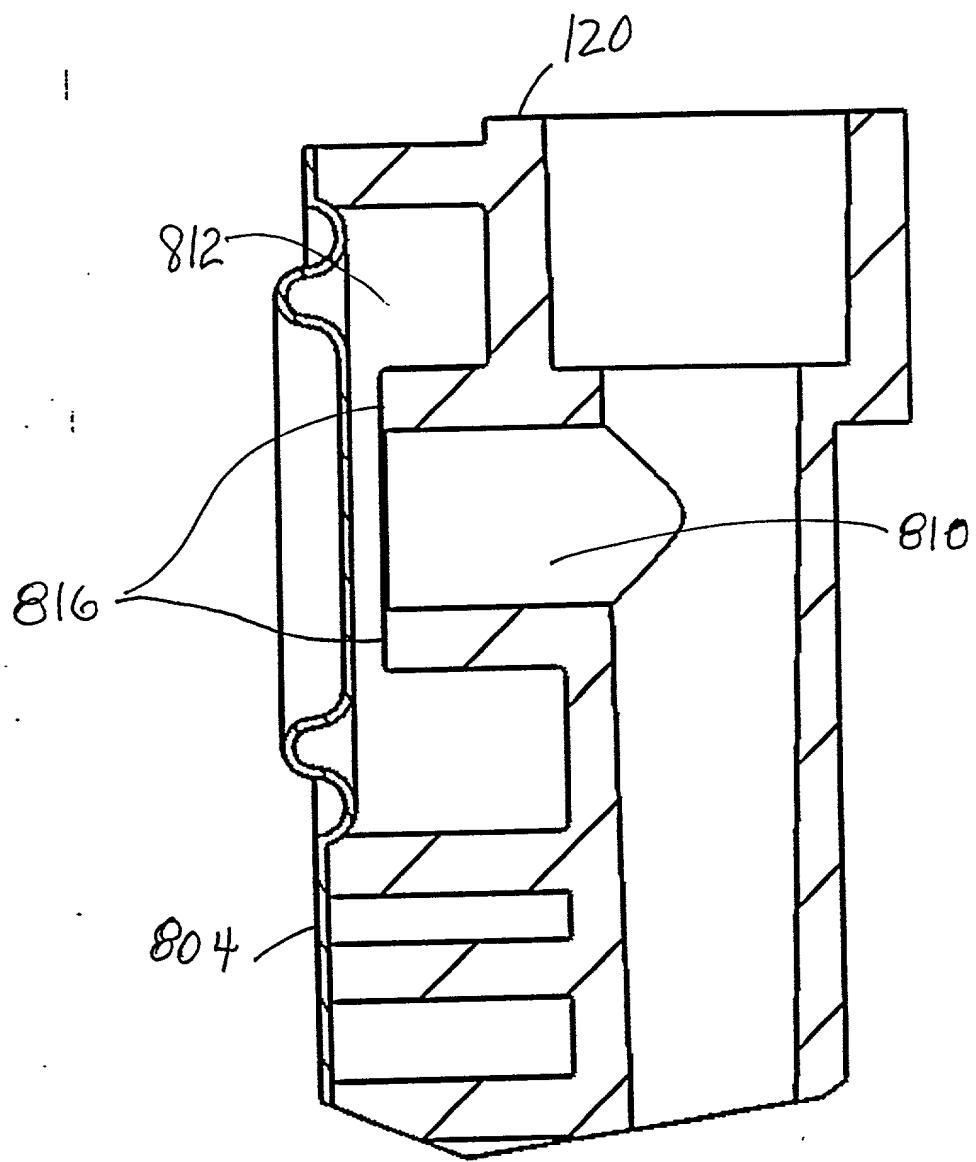
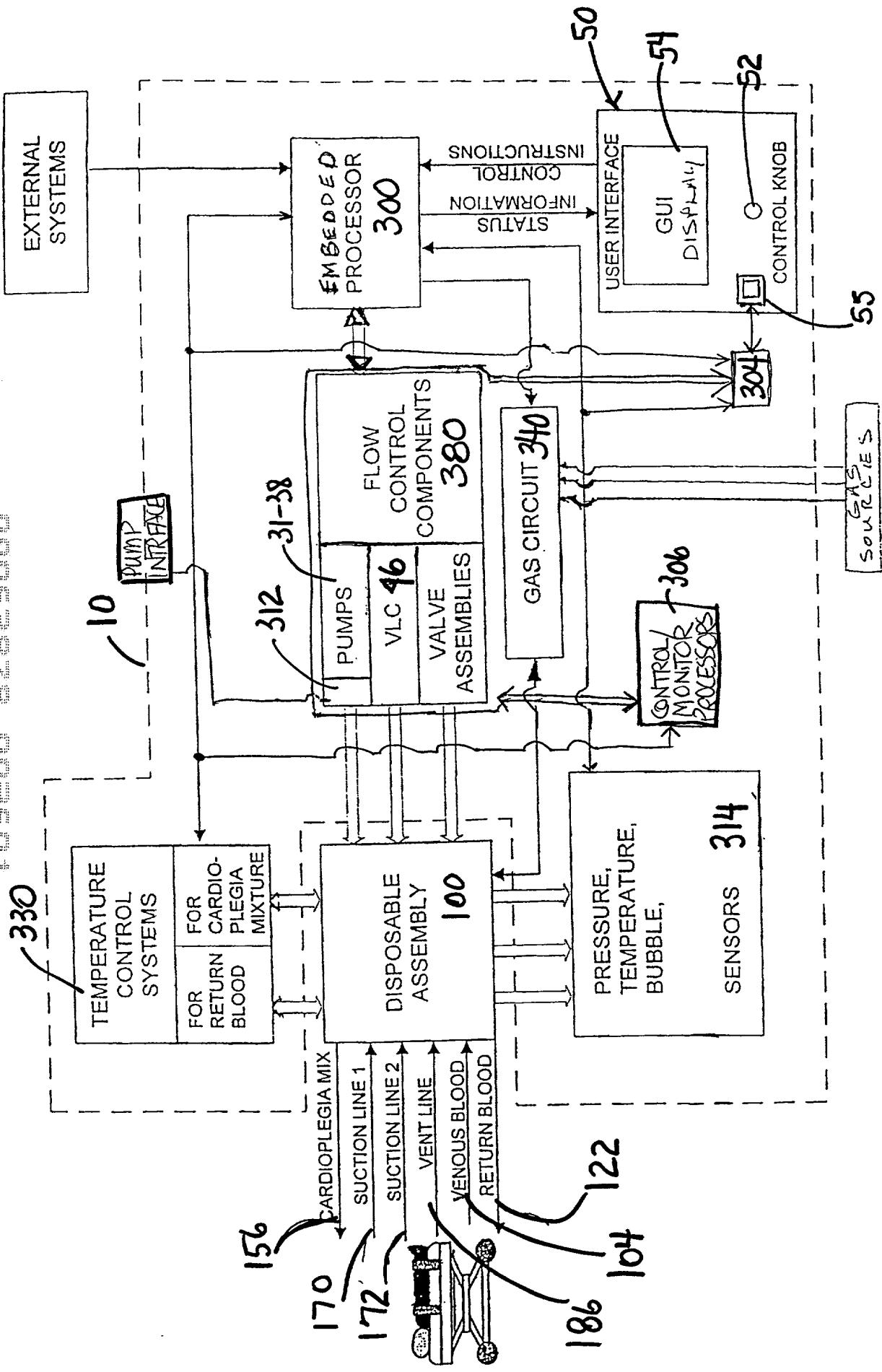
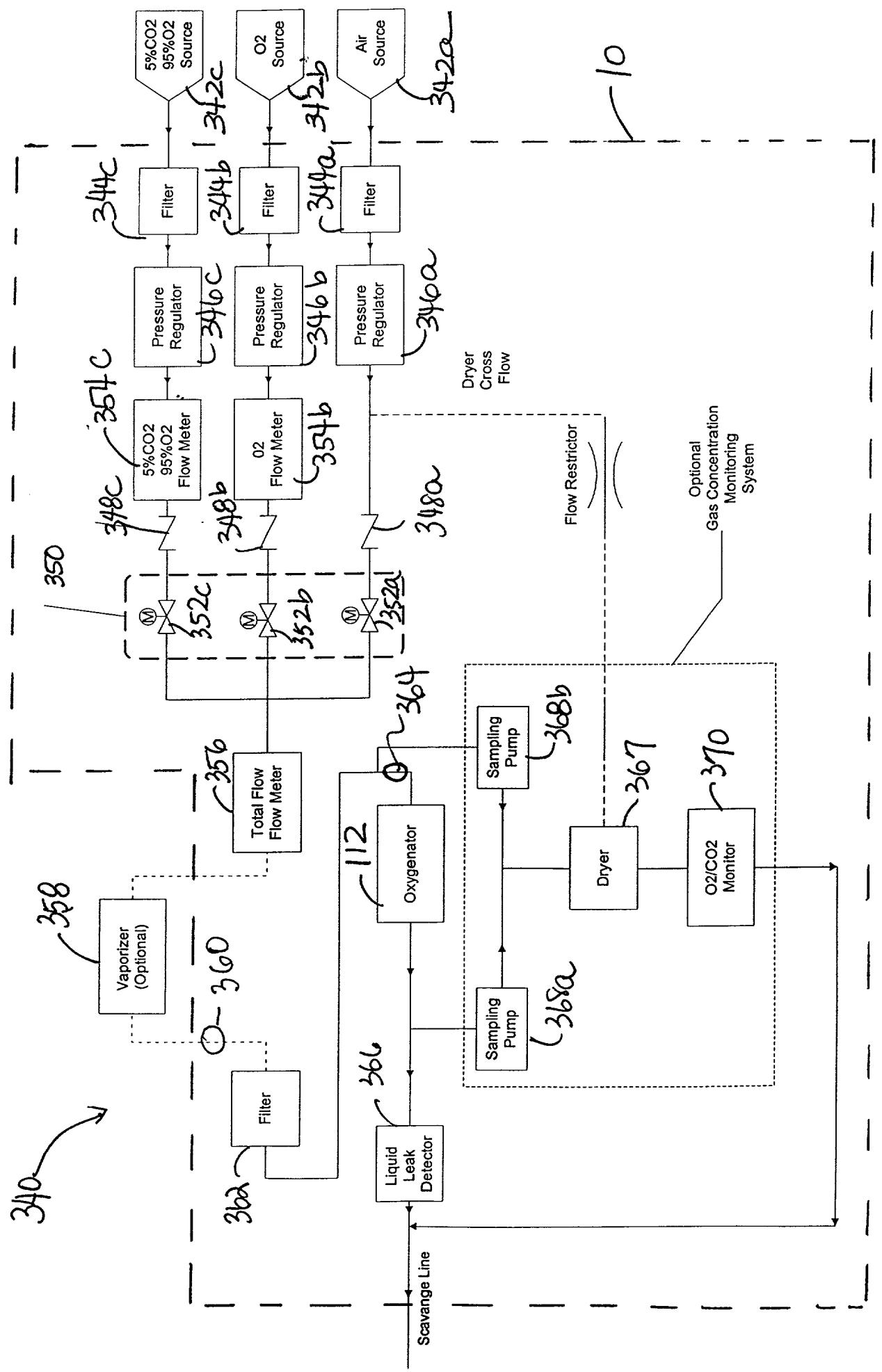


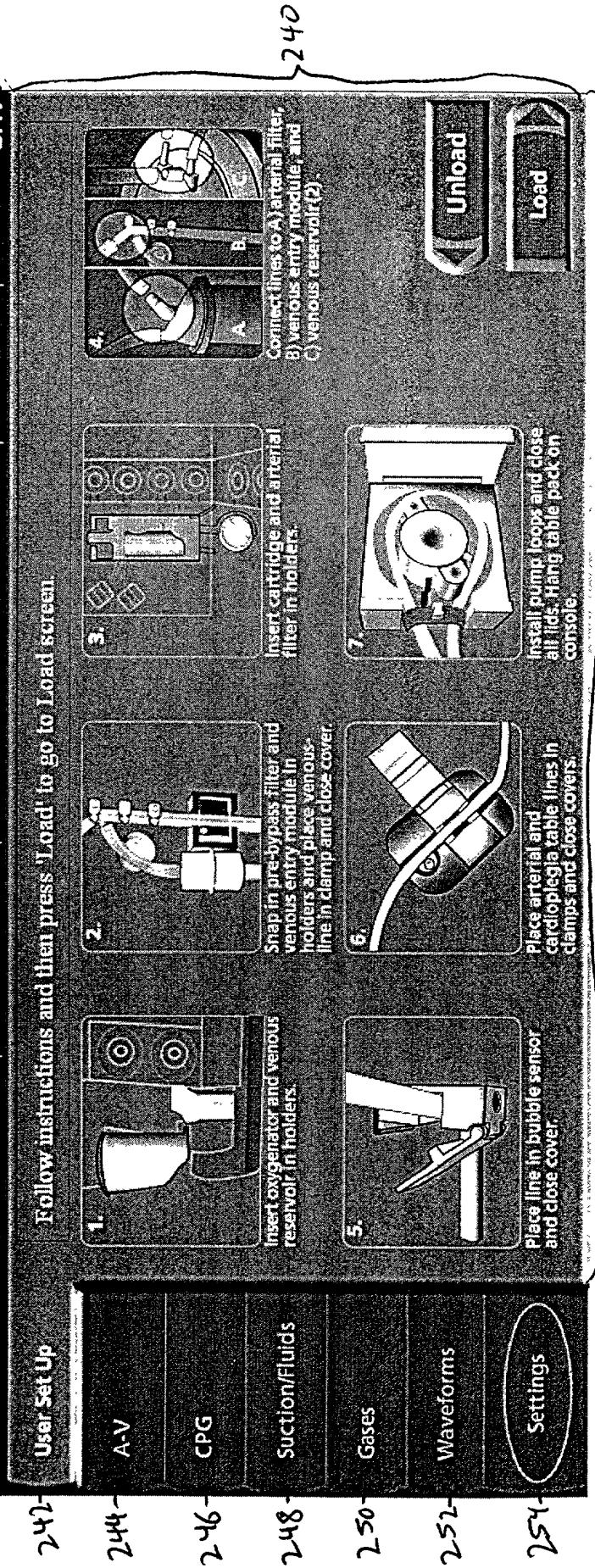
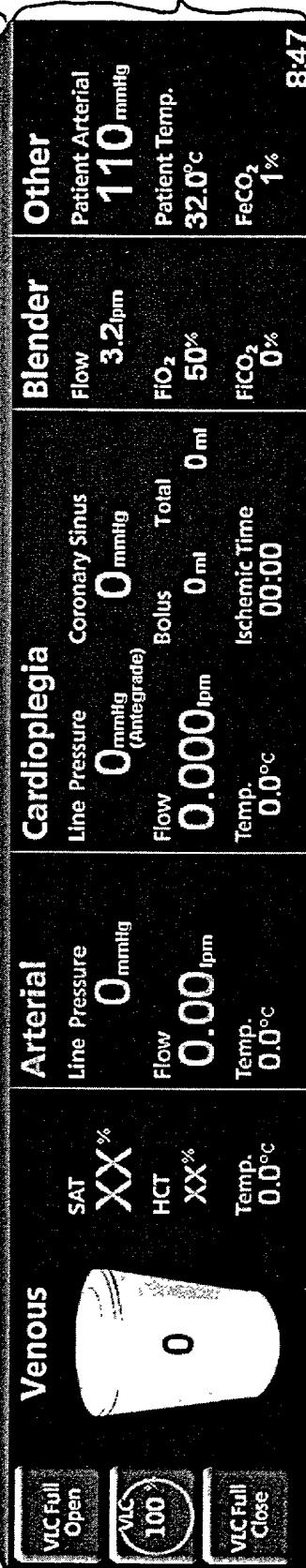
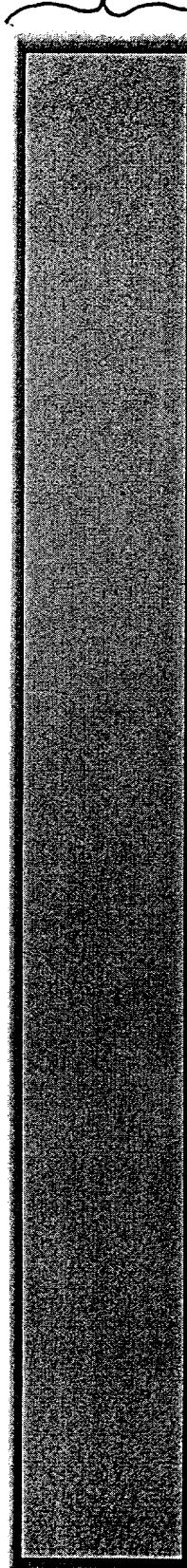
FIG 24B

FIG. 25





F16. 26



202

2010

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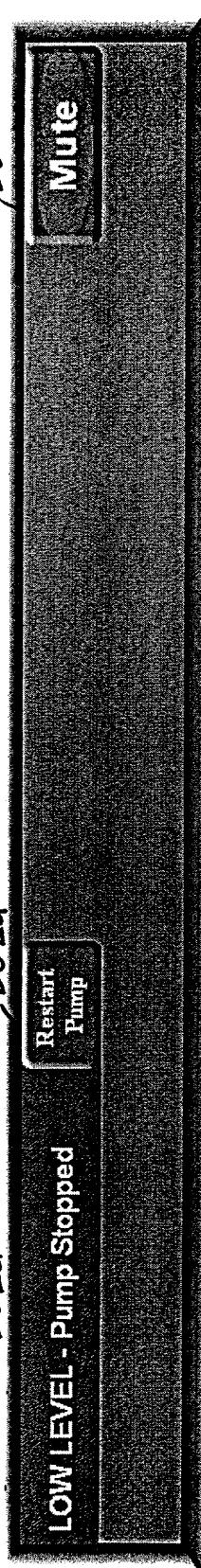


FIG. 28A

2026' - 2026"

卷之三

LOW LEVEL - Pump On

卷之三

三

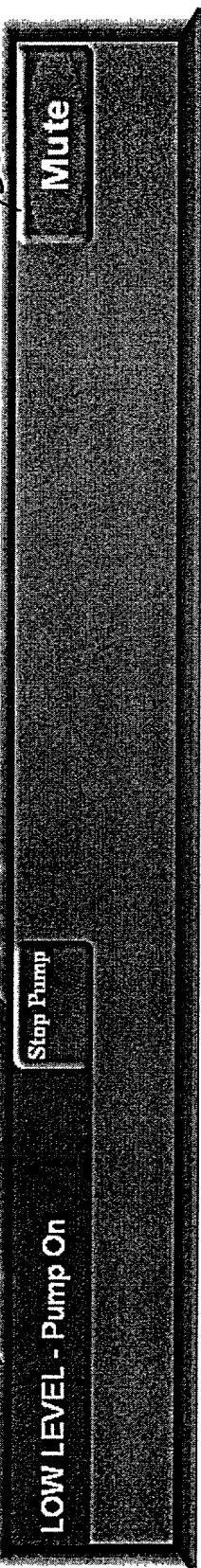


FIG. 28B

202 ϵ'' -

卷之三

LEVEL OK - Human Star Disabled

Stop

10

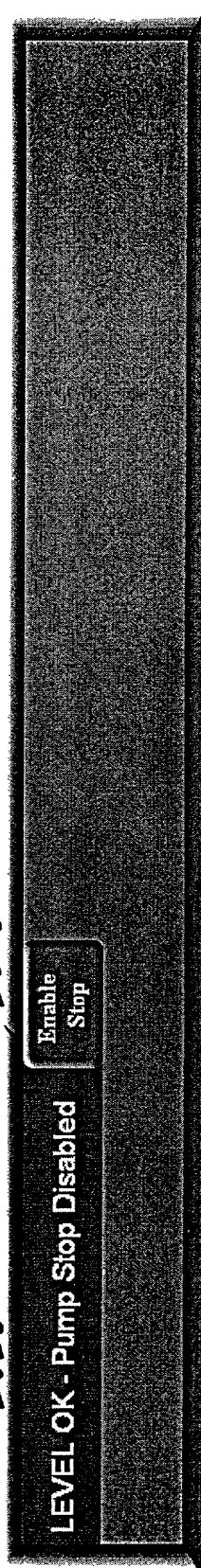


Fig. 28c

203a'

✓203a//✓203c/

203c" 204

| | | | | | |
|-----------------------------------|----------------|-----------------|--------------------------|---------------|-------------------|
| ARTERIAL BUBBLE - Pump Stopped | Clear Alarm | Restart Pump | LOW LEVEL - Pump Slowing | Arterial Pump | F16.28 D 2036" |
|-----------------------------------|----------------|-----------------|--------------------------|---------------|-------------------|

| | | | | |
|---------------------------------|------------------------|---------------------|--------------------------------|----------------------------------|
| LOW LEVEL - Pump Stopped | Arterial Bubble | Restart Pump | Arterial Pressure Limit | Arterial High Temperature |
| | | | | |

FIG. 28E

| Arterial | | Venous | |
|--------------------------|---------------------------|-------------------------|-----------------------|
| Restart Pump | Restart Pump | SAT 75% | 1600 |
| Low Level - Pump Stopped | Arterial Bubble | HCT 25% | 0% |
| Arterial Pressure Limit | Arterial High Temperature | Flow 0.00 lpm | Temp. 32°C |
| Restart Pump | Arterial Pressure Low | Pressure 200 mmHg | Temp. 32°C |
| Arterial Muscle | Arterial High Temperature | Crystal pot must be off | Pleagia K+ > 40 mEq/L |
| Restart Pump | Arterial Pressure Low | Arterial | On Battery |
| Less | | | |
| Full Open | | | |
| Full Close | | | |

Fig. 28 F

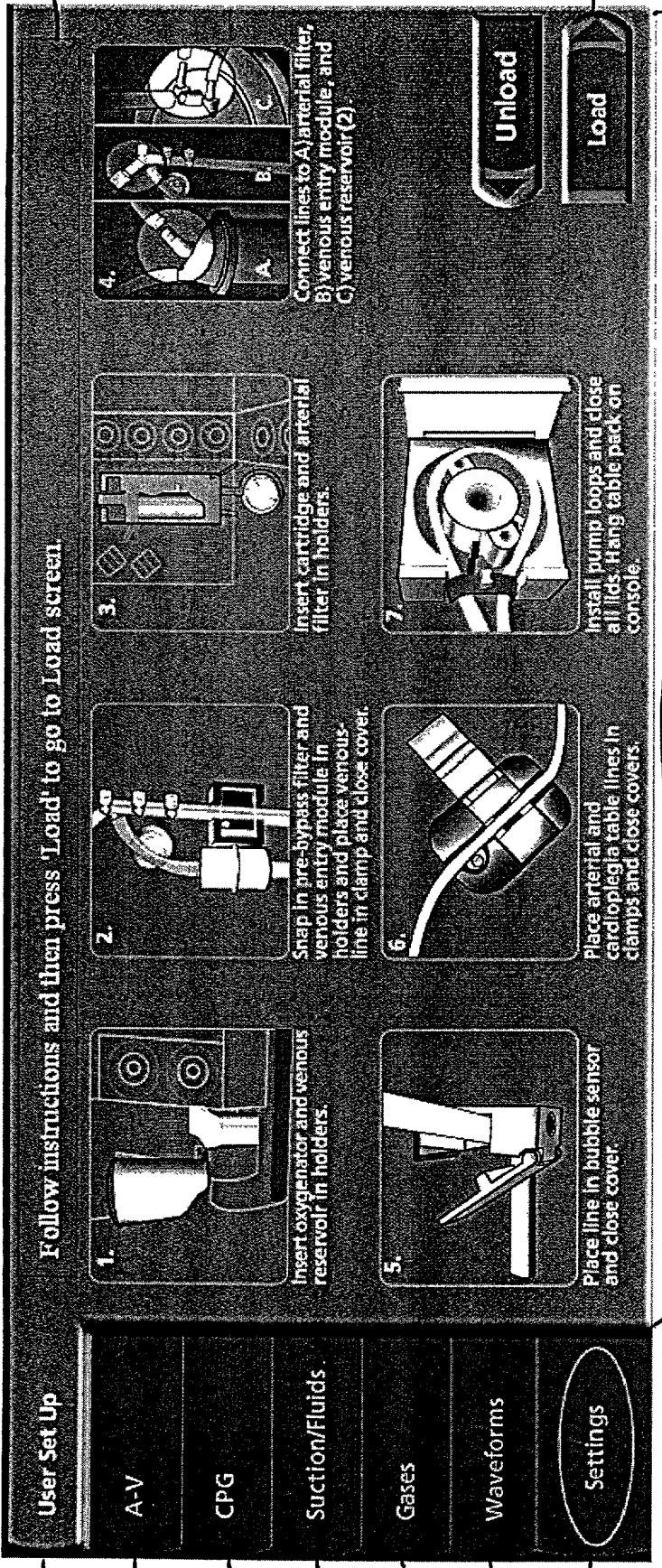
| | | | | | | | | | | | | | |
|-----|--------|-------------|------|----------|------------|----------|---------------|------------------------|----------------|--------|-------------------|---------|-------------------|
| 222 | Venous | SAT 222A | 1307 | Arterial | SAT 224 | 151 mmHg | Line Pressure | 69 mmHg (Antegrade) | Coronary Sinus | 0 mmHg | Blender | Other | Patient Arterial |
| | | | | | | | Flow | 0.276 lpm | Bolus | Total | Flow | 3.2 lpm | 110 mmHg |
| | | | | | | | | | | | FIO ₂ | 50% | Patient Temp. |
| | | | | | | | | | | | | | 32.0°C |
| | | | | | | | Temp. | 20.9°C | Ischemic Time | 00:00 | FiCO ₂ | 1% | FeCO ₂ |
| | | | | | | | | | | | | | 8.55 |

F 16. 29

242-

Follow instructions and then press 'Load' to go to Load screen.

245



246-

Suction/Fluids.

A-V

CPG

248-

Gases

Waveforms

250-

252-

Settings

256a

243

F16. 30A

245

Press 'Load cartridge and oxygenator' to automatically load cartridge and oxygenator into system.

1. Load cartridge and oxygenator
2. Load pump loops
3. Set Up
4. Auto-Prime

Suction/Fluids

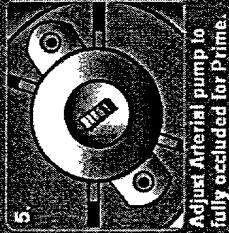
Gases

Waveforms

Settings

F16.
30B

2606



Adjust Artificial pump to fully occluded for Prime.

243

245

Complete steps below, then press 'Auto-Prime' when ready to prime.

1. Cartridge loaded
2. Pressure sensors zeroed, VLC set
3. Check pump loops, close all lids
4. Pumps loops loaded
5. Set Up

2606



Adjust Artificial pump to fully occluded for Prime.

F16.
30C

2606

Set Up

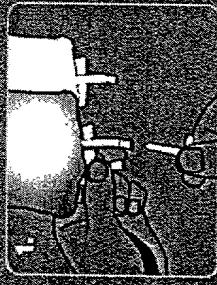
Auto-Prime

242

-242-

-245

Water valves closed: Check connections, then press 'Open water valves' to try again.



Spike prime and cardioplegia bags.



2.

Open water valves

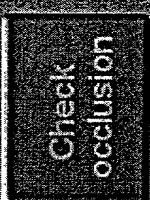
3.

Start priming

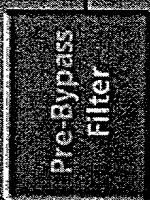
4.

Pass

Check oxygenator and cardioplegia heat exchangers for water leaks.



Check occlusion



Pre-Bypass Filter



258°C



260°C



262°C



264°C



266°C



268°C



270°C



272°C



274°C



276°C



278°C



280°C



282°C



284°C



286°C



288°C



290°C



292°C



294°C



296°C



298°C



300°C



302°C



304°C



306°C



308°C



310°C



312°C



314°C



316°C



318°C



320°C



322°C



324°C



326°C



328°C



330°C



332°C



334°C



336°C



338°C



340°C



342°C



344°C



346°C



348°C



350°C



352°C



354°C



356°C



358°C



360°C



362°C



364°C



366°C



368°C



370°C



372°C



374°C



376°C



378°C



380°C



382°C



384°C



386°C



388°C



390°C



392°C



394°C



396°C



398°C



400°C



402°C



404°C



406°C



408°C



410°C



412°C



414°C



416°C



418°C



420°C



422°C



424°C



426°C



428°C



430°C



432°C



434°C



436°C



438°C



440°C



442°C



444°C



446°C



448°C



450°C



452°C



454°C



456°C



458°C



460°C



462°C



464°C



466°C



468°C



470°C



472°C



474°C



476°C



478°C



480°C



482°C



484°C



486°C



488°C



490°C



492°C



494°C



496°C



498°C



500°C



502°C



504°C



-245

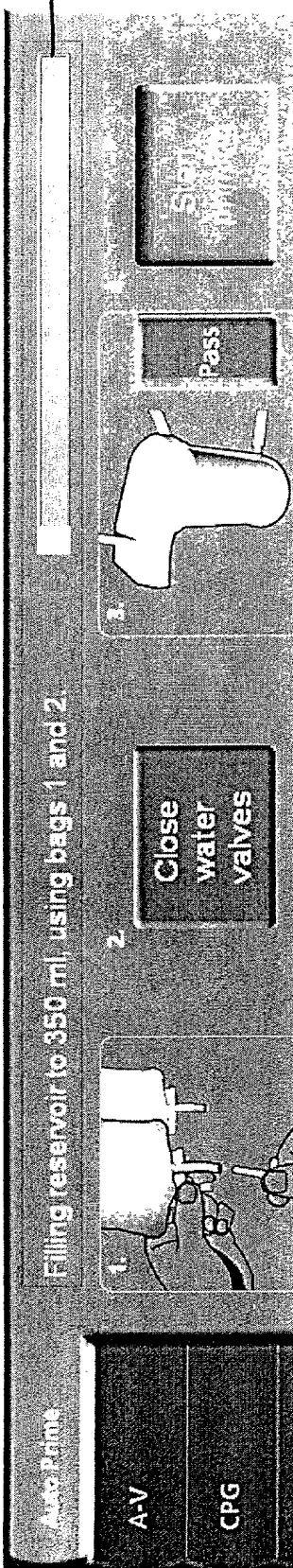


FIG. 30F

-245

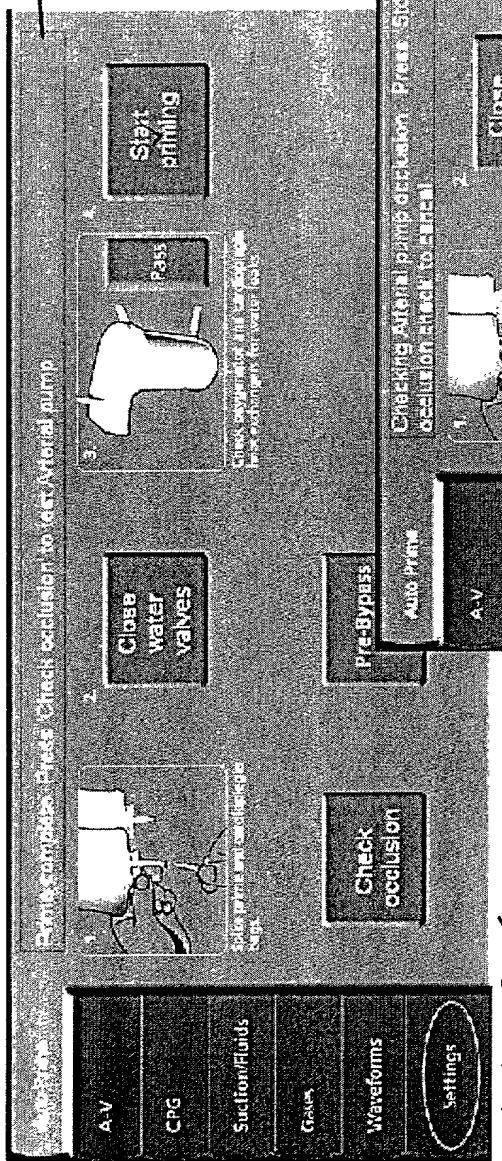


FIG. 30G

-245

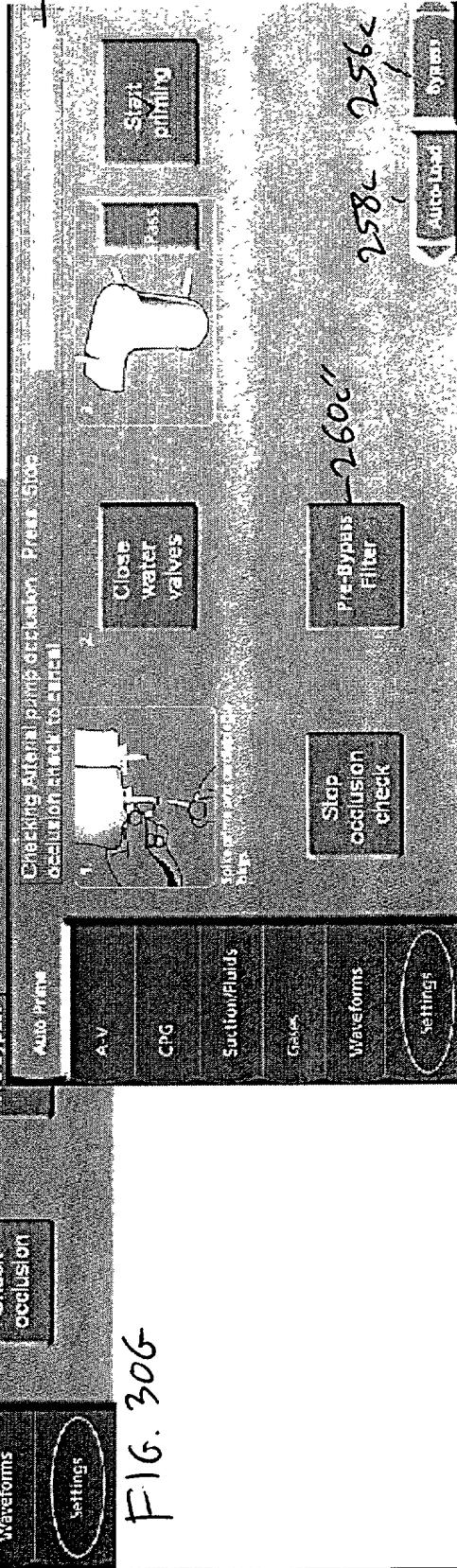
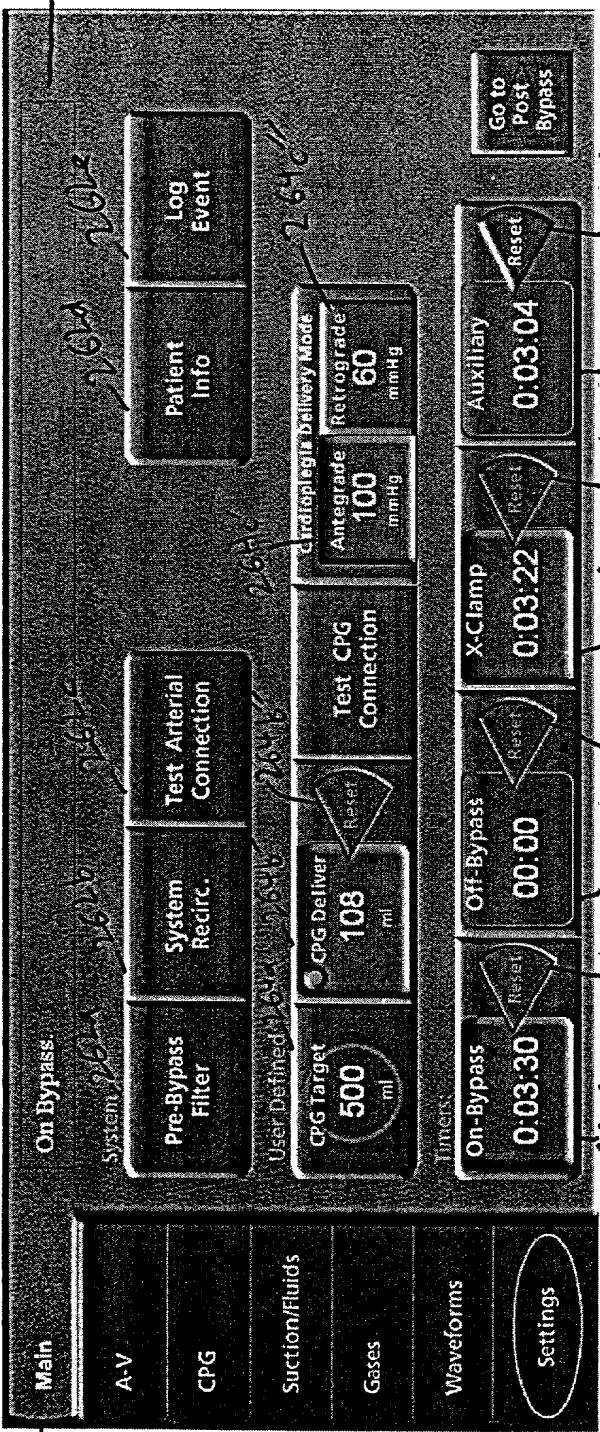
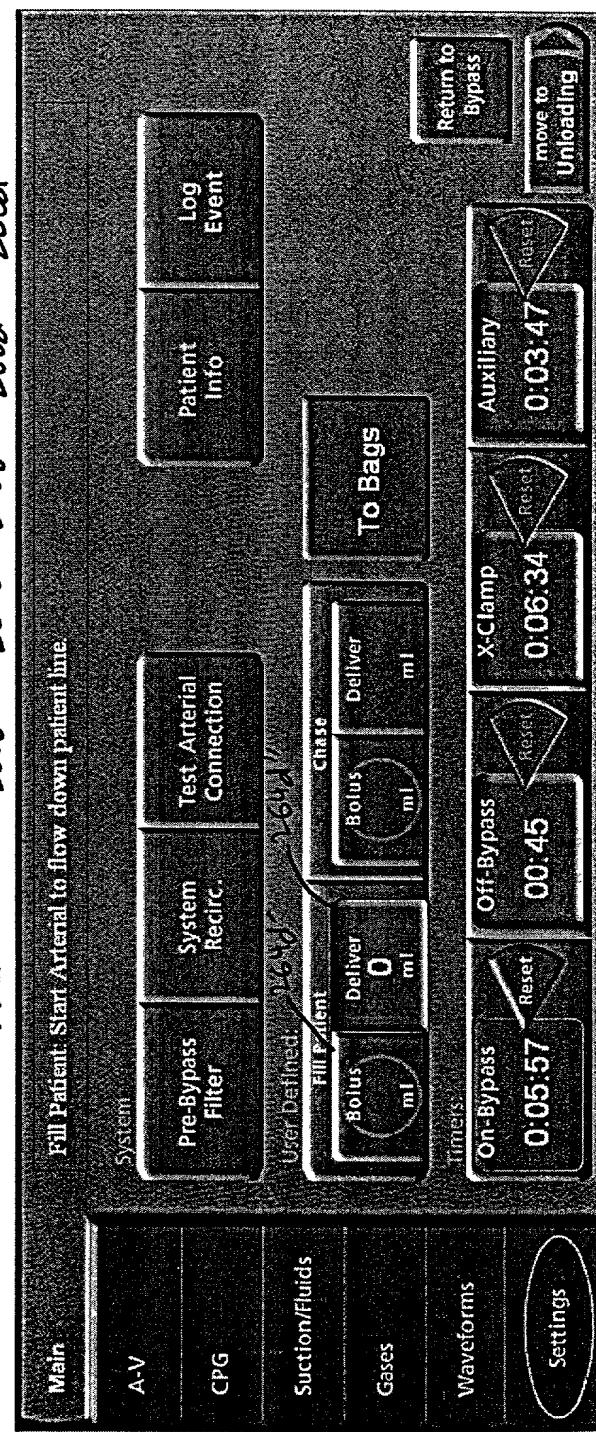


FIG. 30H

242



245

F16.
30 IF16.
30 J

245

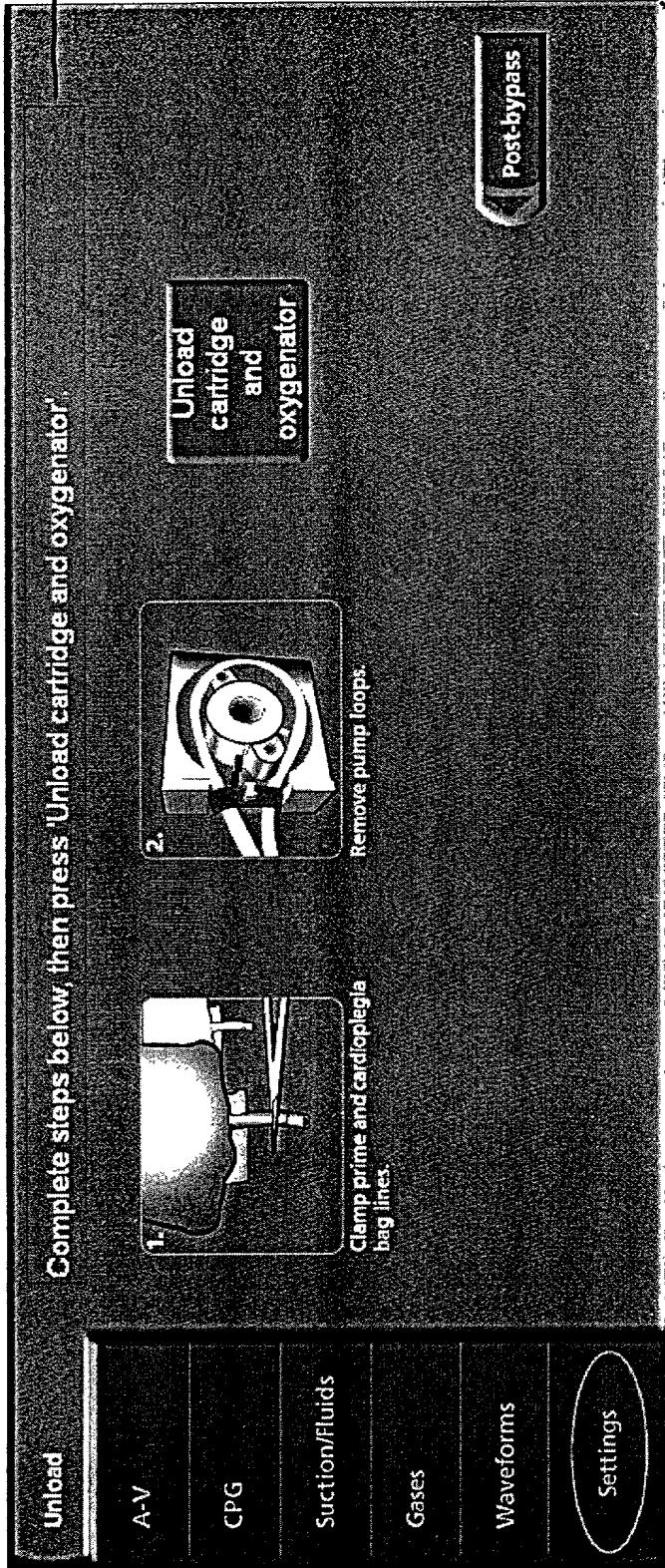


FIG. 30K

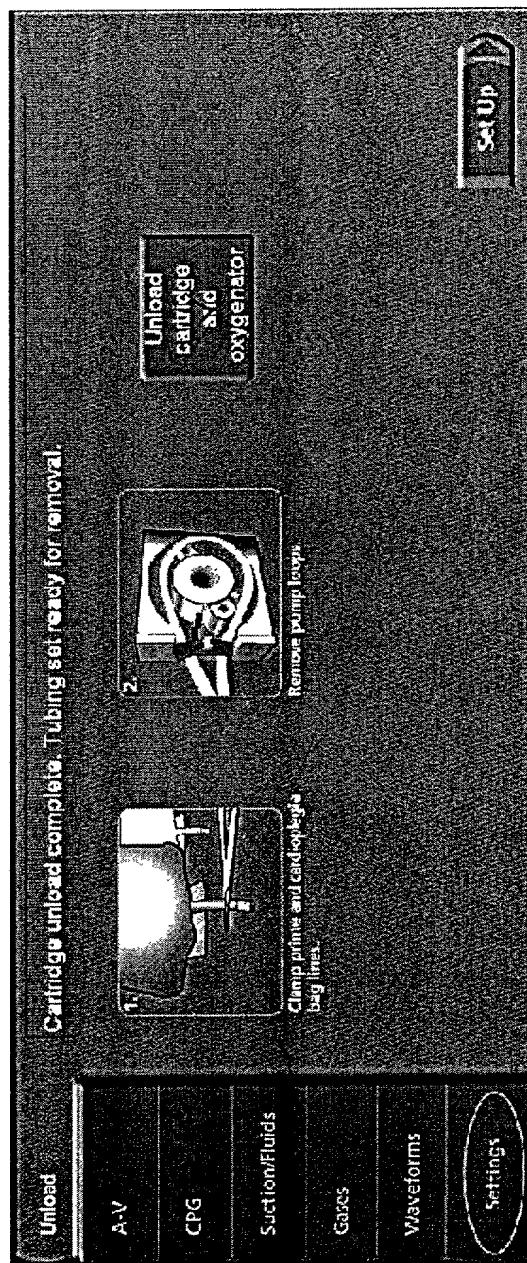
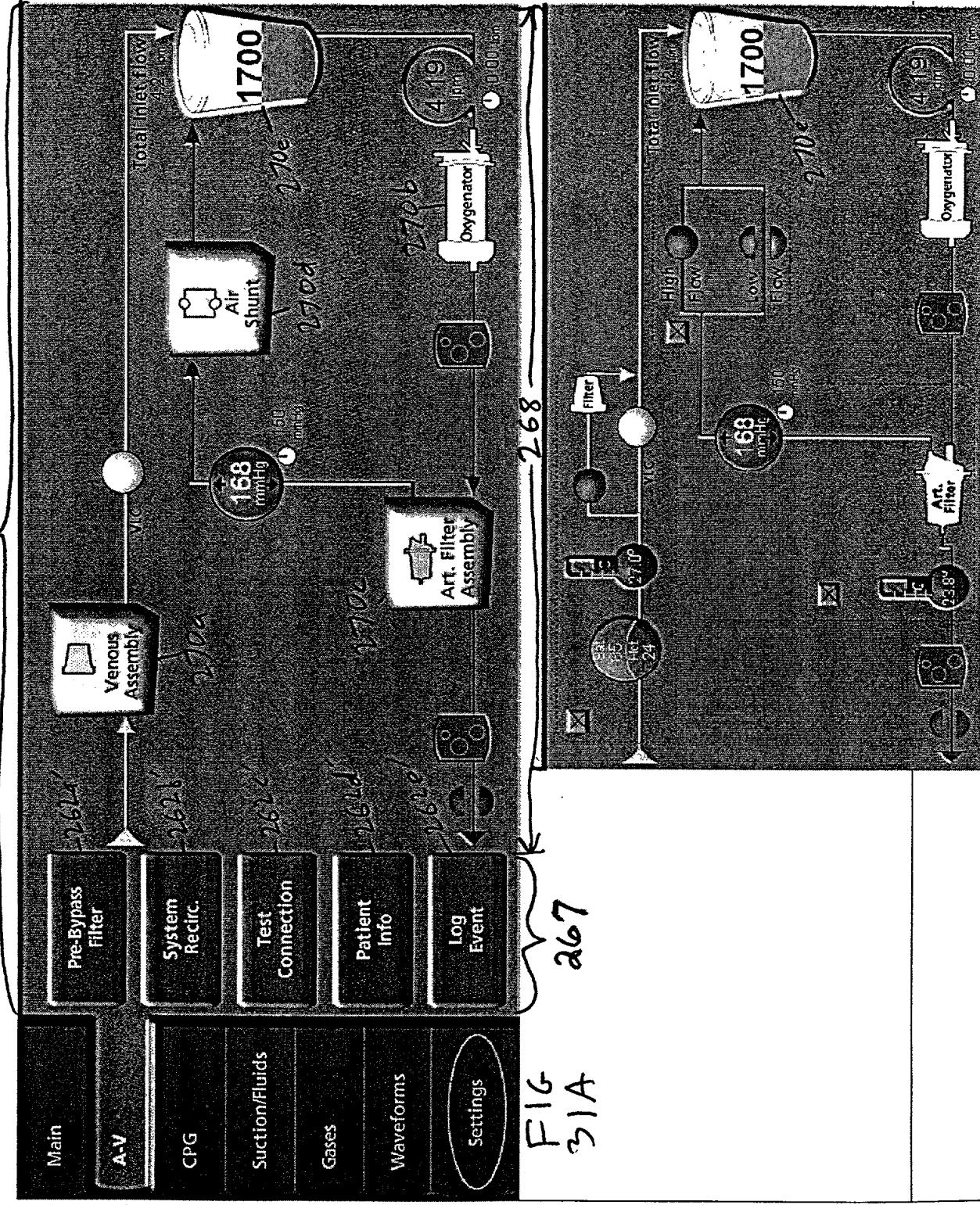


FIG. 30L

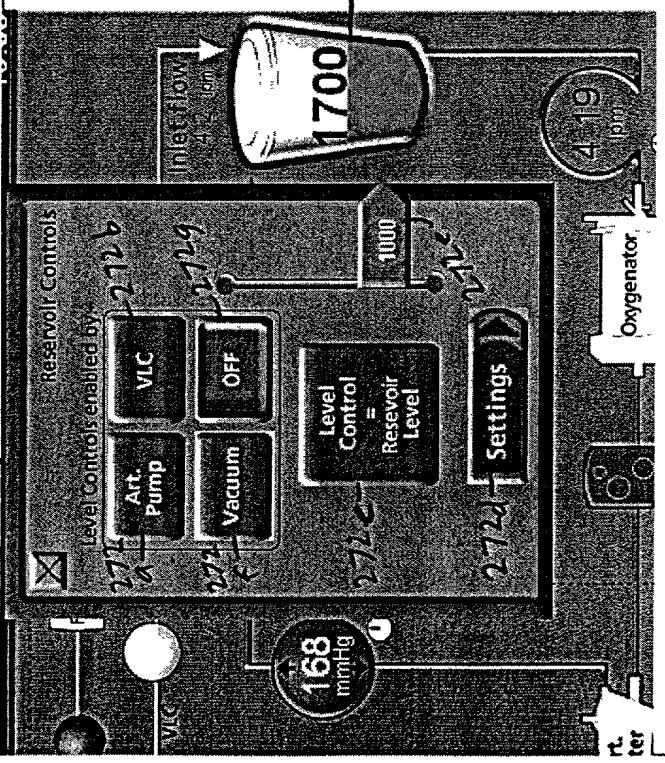


卷之二

FIG
31A

FIG. 31B

272



EIGENVALUES

He had a very good time at the party, and he was very happy to be there.

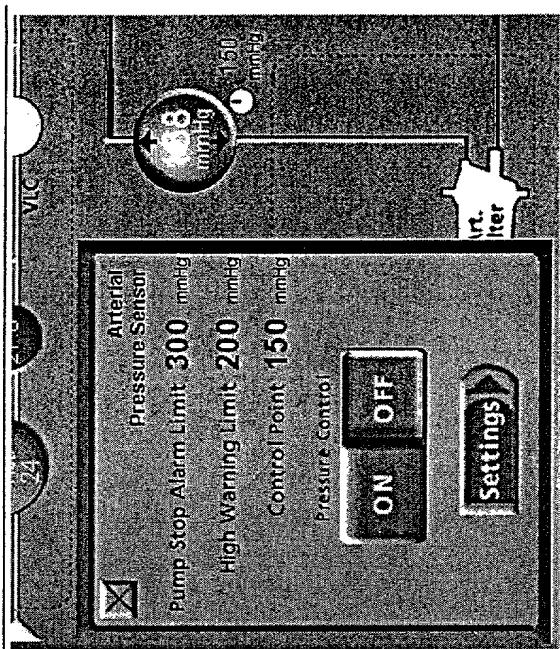


FIG. 31 D

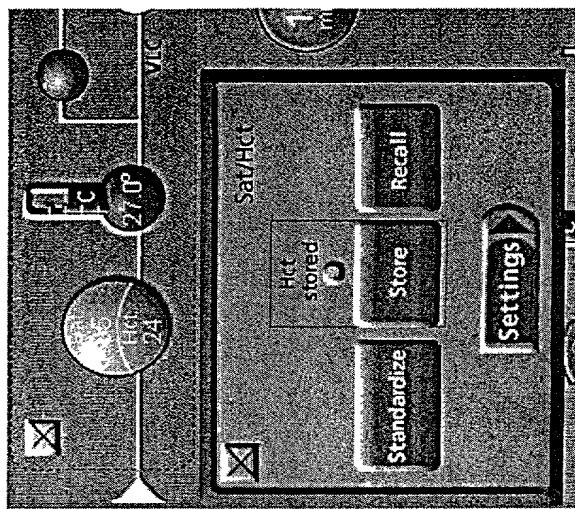
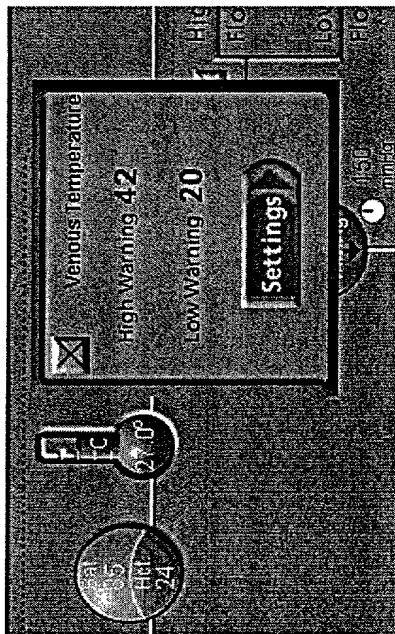


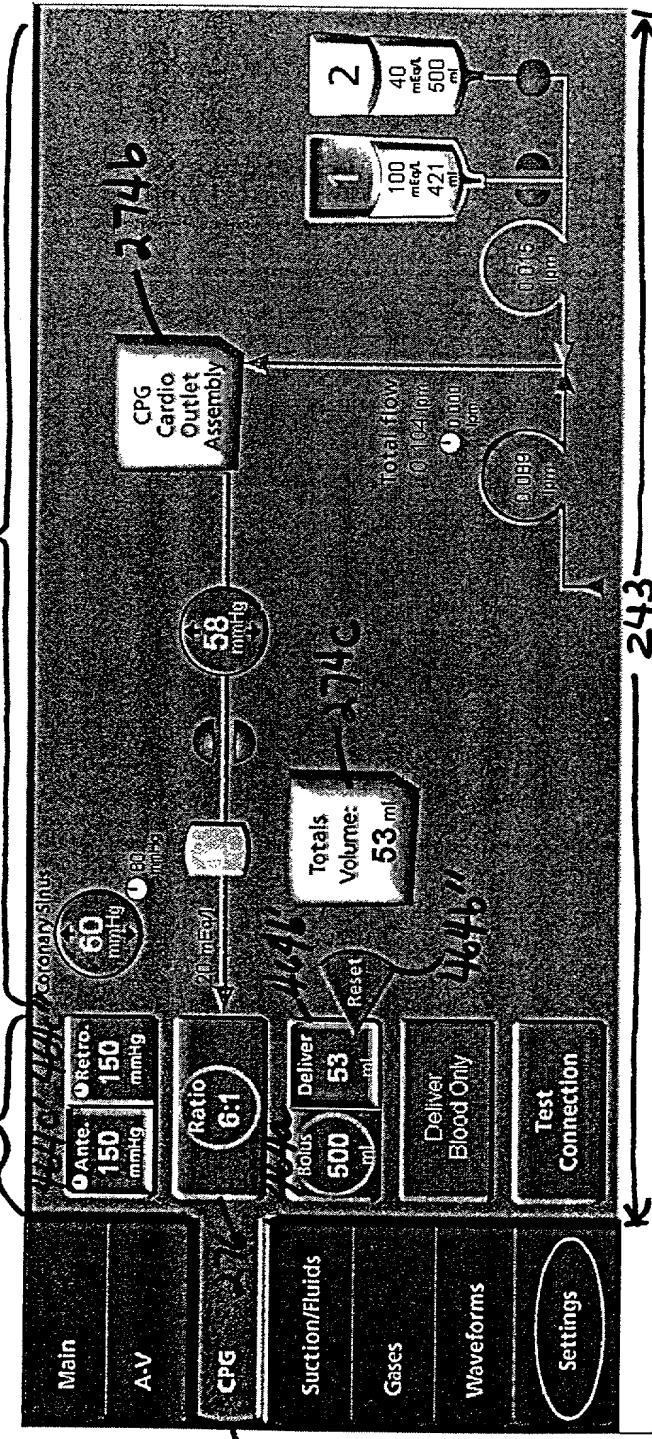
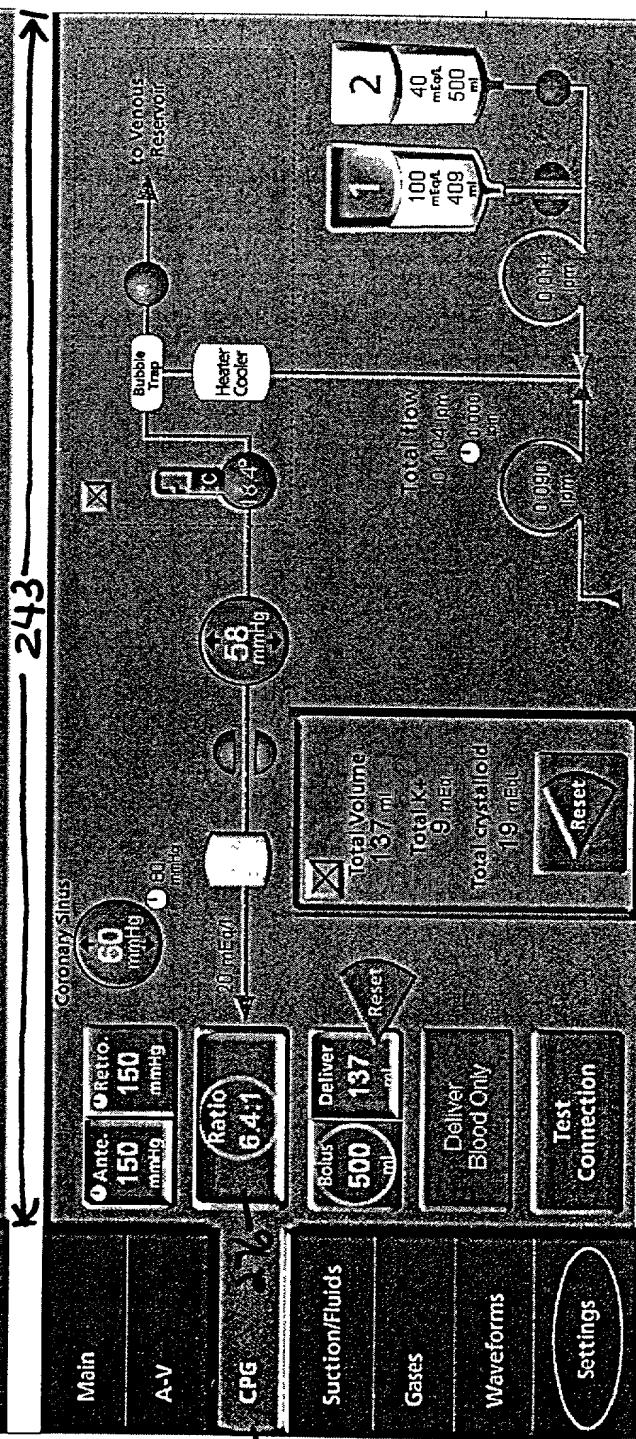
FIG. 31F

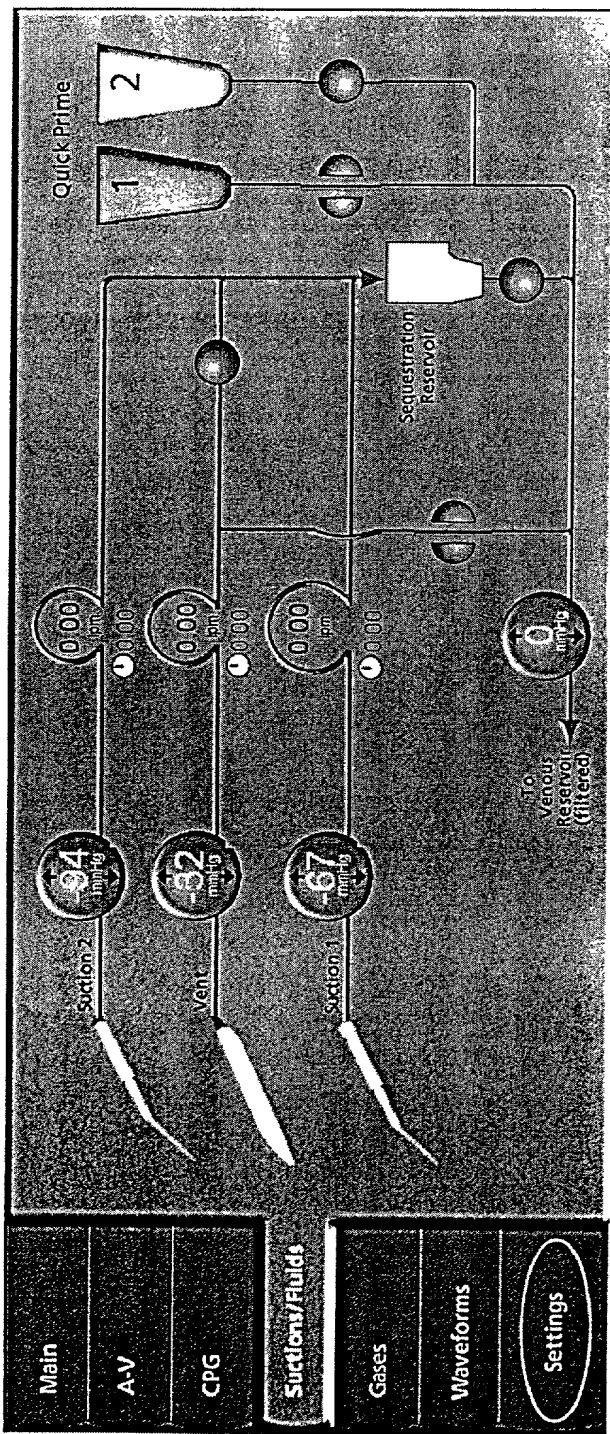


F16, 31 E

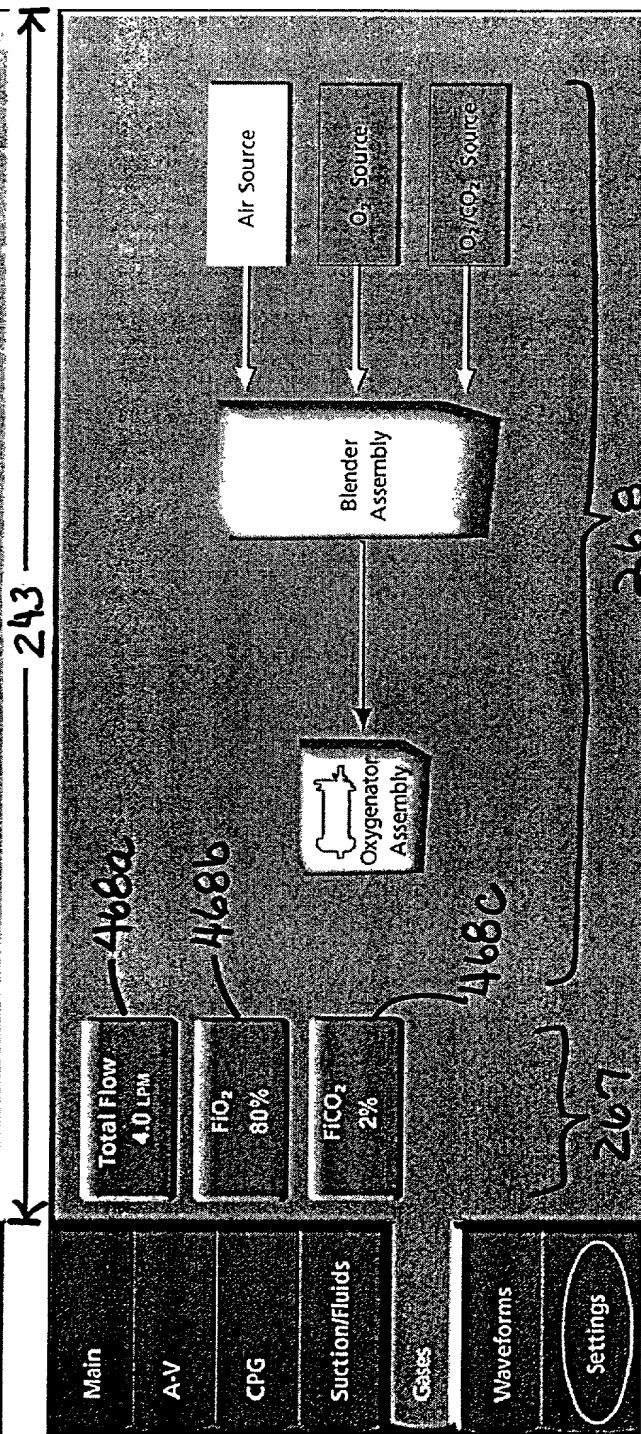
267

268

F16.
32AF16.
32B



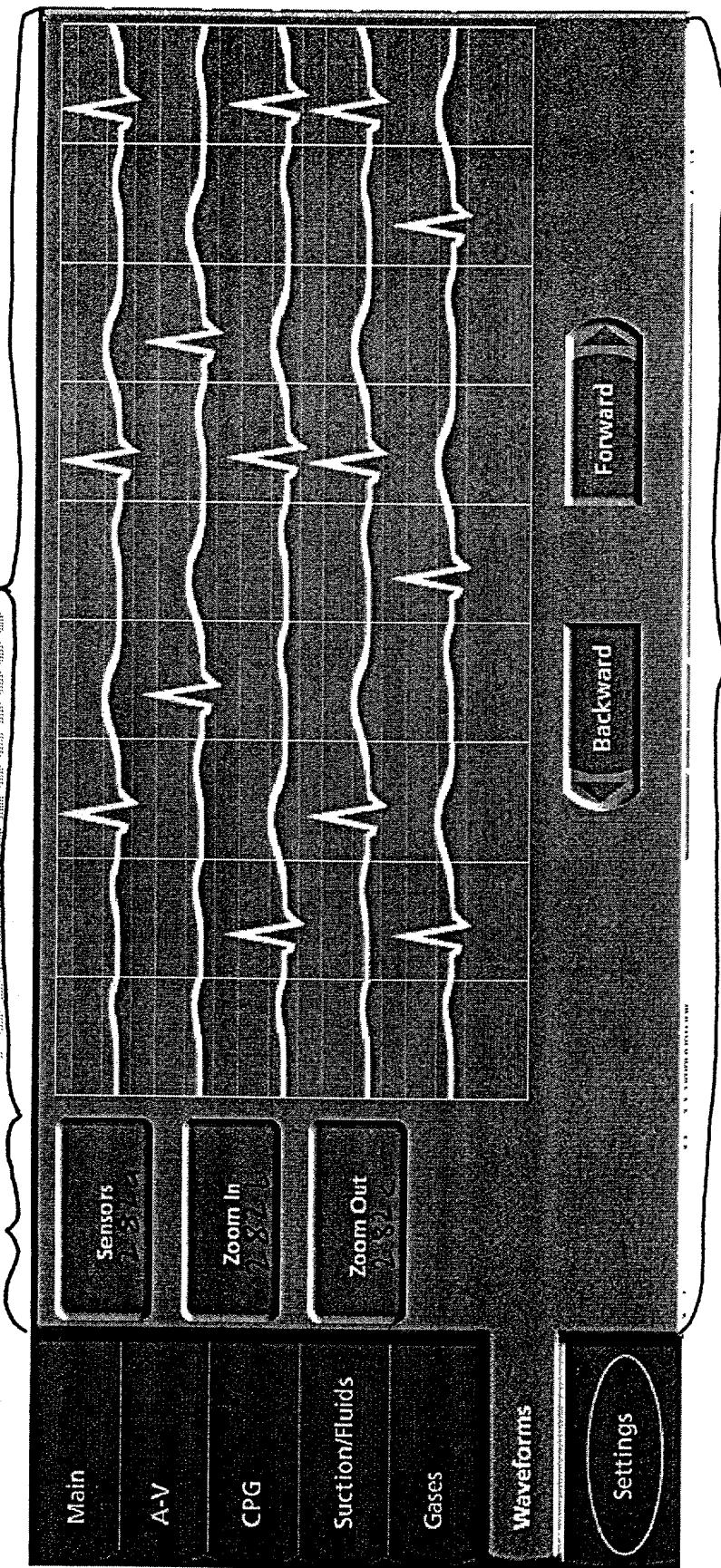
248



250-

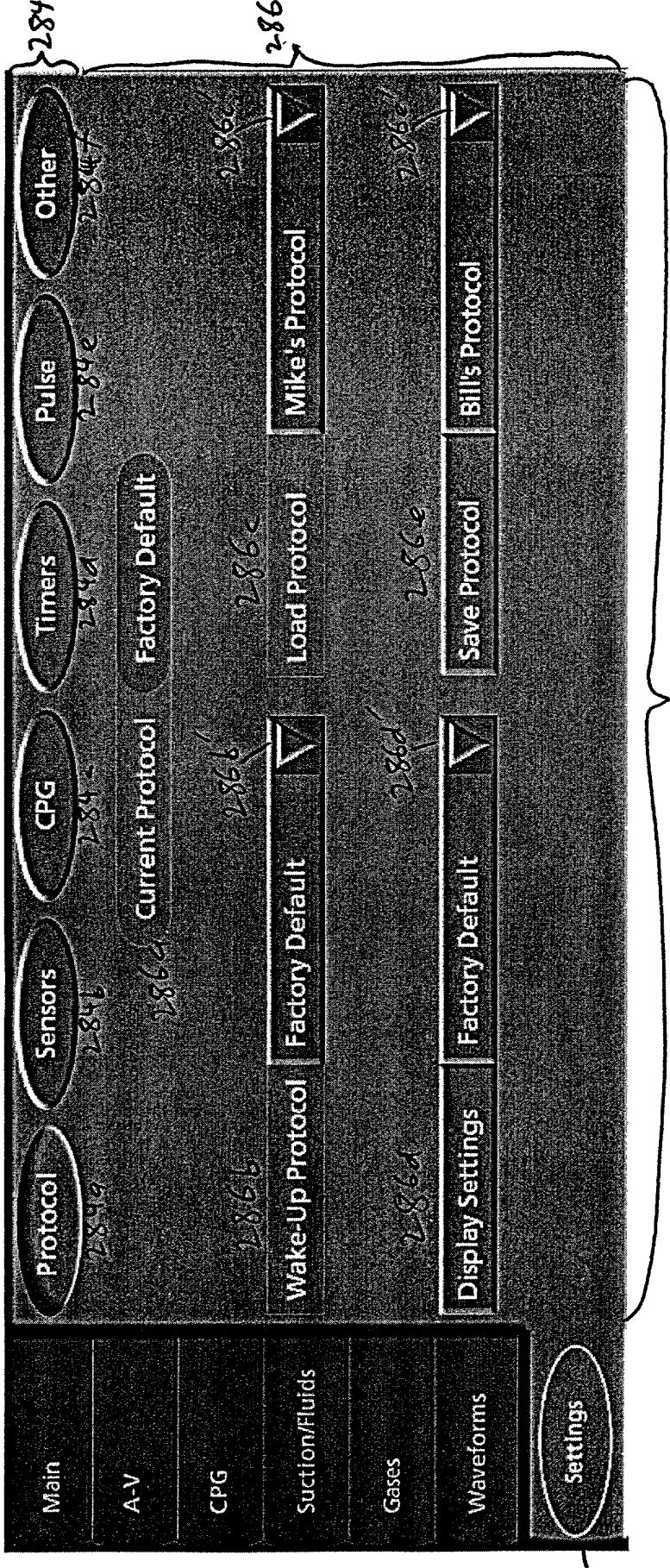
267

268



243

F16. 32E



F16. 33A

243

| | |
|-------------------|-------------------------------------|
| Main | |
| CPG | |
| A-V | |
| Suction/Fluids | |
| Gases | |
| Waveforms | |
| Settings | |
| Protocol | |
| Sensors | |
| CPG | |
| Timers | |
| Pulse | |
| Other | |
| Air Detectors | <input checked="" type="checkbox"/> |
| Bubble Sensor 1 | <input checked="" type="checkbox"/> |
| Pressure Sensors | <input checked="" type="checkbox"/> |
| Arterial Line | <input checked="" type="checkbox"/> |
| Level Detectors | <input checked="" type="checkbox"/> |
| Continuous Sensor | <input checked="" type="checkbox"/> |
| SAT / HCT | <input checked="" type="checkbox"/> |
| Temp Sensors | <input checked="" type="checkbox"/> |
| Venous | <input checked="" type="checkbox"/> |
| Blender | <input checked="" type="checkbox"/> |
| Blender / Gas | <input checked="" type="checkbox"/> |

FIG. 33B

| | |
|---------------------|-------------------------------------|
| Air Detectors | <input checked="" type="checkbox"/> |
| Bubble Sensor 1 | <input checked="" type="checkbox"/> |
| Bubble Sensor 1 | <input checked="" type="checkbox"/> |
| Bubble Sensor 2 | <input type="checkbox"/> |
| CPG Bubble Detector | <input type="checkbox"/> |
| Pressure Sensors | |

FIG. 33C

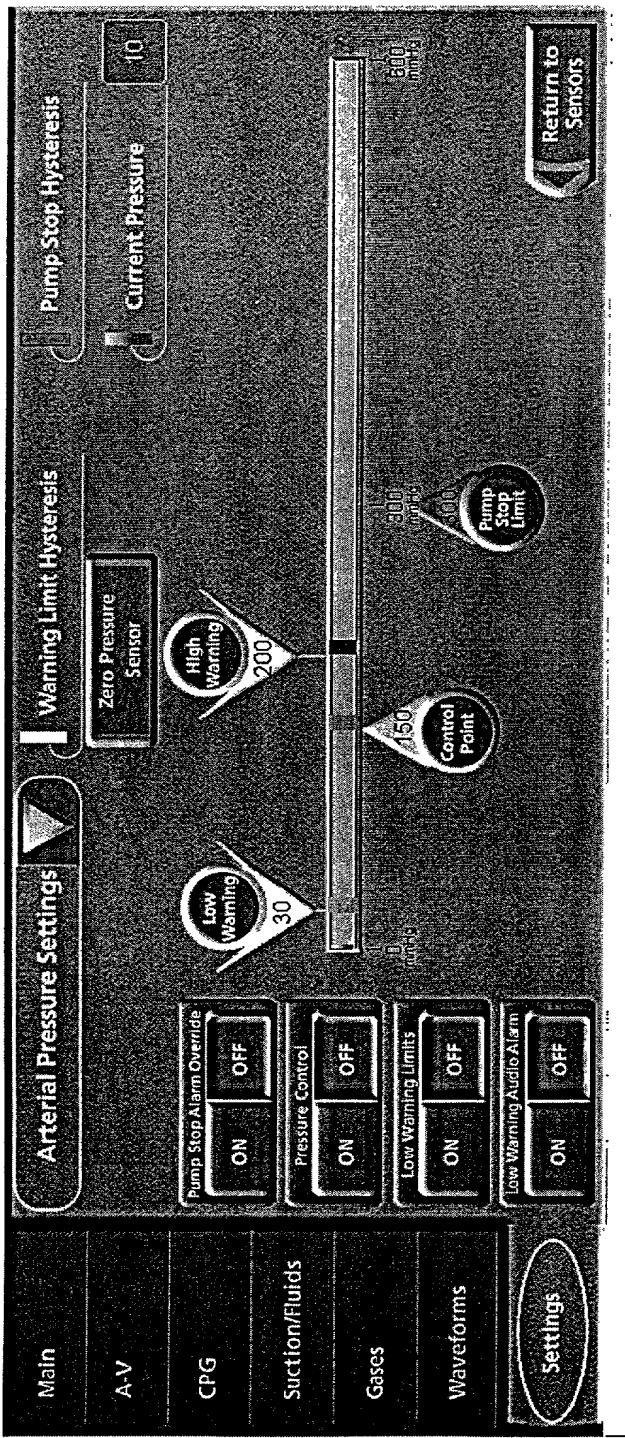


Fig.
33D

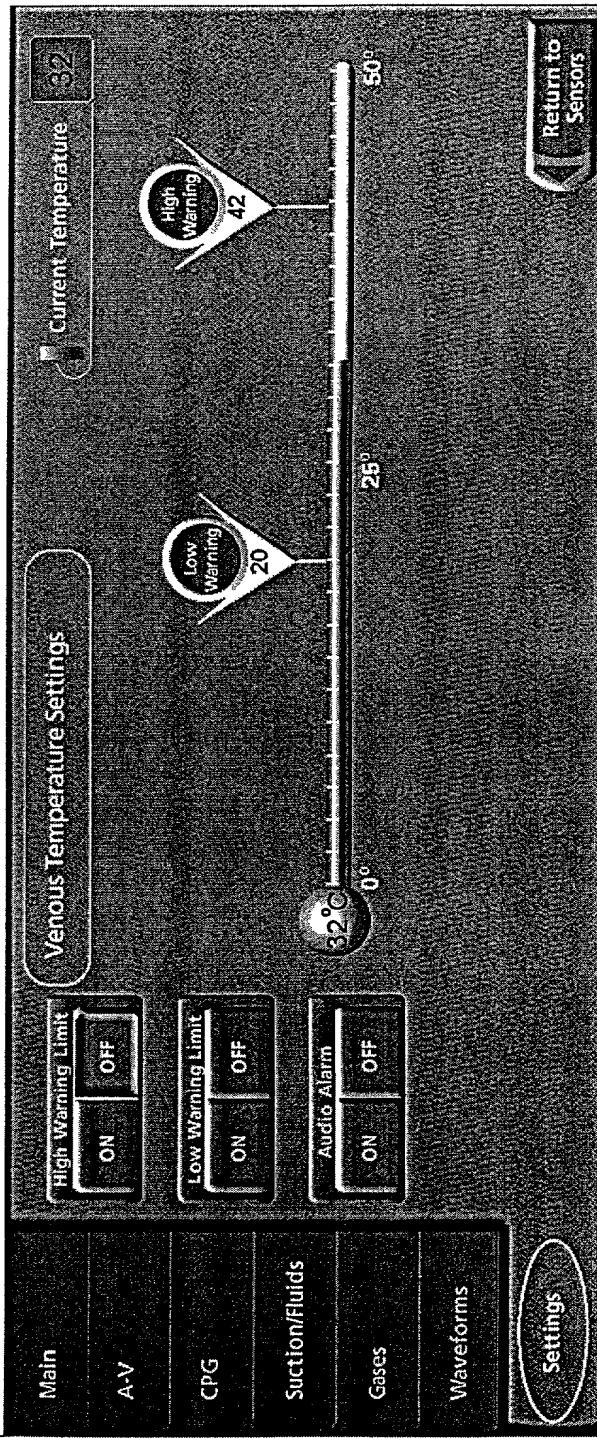
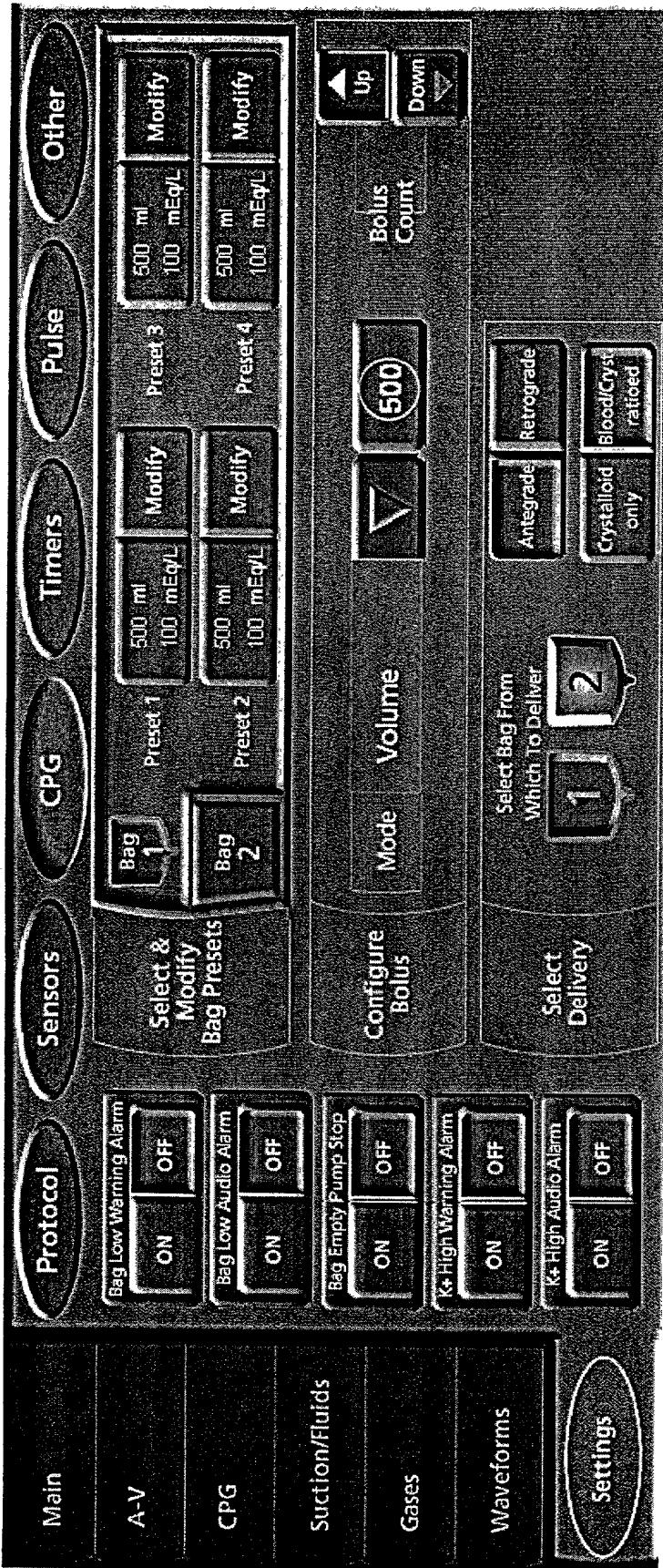


Fig.
33E



F16- 33F